

- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARDS.
 2. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL SERVICES THAT MAY BE AFFECTED BY THEIR OPERATIONS.
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 7. SEDIMENT CONTROL TO COMPLY WITH GD05 STANDARDS.

LEGEND

EX BDY	EX BDY
PROP BDY	PROP BDY
EX MAJOR CONTOUR	EX MAJOR CONTOUR
EX MINOR CONTOUR	EX MINOR CONTOUR
PR MAJOR CONTOUR	PR MAJOR CONTOUR
PR MINOR CONTOUR	PR MINOR CONTOUR
PROP EXTENT WORK	PROP EXTENT WORK
PROP CLEANWATER	PROP CLEANWATER
PROP DIRTYWATER	PROP DIRTYWATER
PROP SILT FENCE	PROP SILT FENCE
PROP SUPER SILT FENCE	PROP SUPER SILT FENCE
PROP STOCKPILE	PROP STOCKPILE
PROP DECANT	PROP DECANT
PROP DECANT BAR	PROP DECANT BAR
STAGE BOUNDARY	STAGE BOUNDARY
EXISTING STREAM	EXISTING STREAM
EXISTING WETLAND	EXISTING WETLAND
10m STREAM SETBACK	10m STREAM SETBACK
RIPARIAN YARD	RIPARIAN YARD
20m SETBACK	20m SETBACK
WETLAND AREA	WETLAND AREA
100m SETBACK	100m SETBACK
EARTHWORKS	EARTHWORKS
CATCHMENT AREA	CATCHMENT AREA

A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
Survey	LANDPRO		03/2023
Design	HN		03/2025
Drawn	MA		03/2025
Checked	RW/KH		03/2025

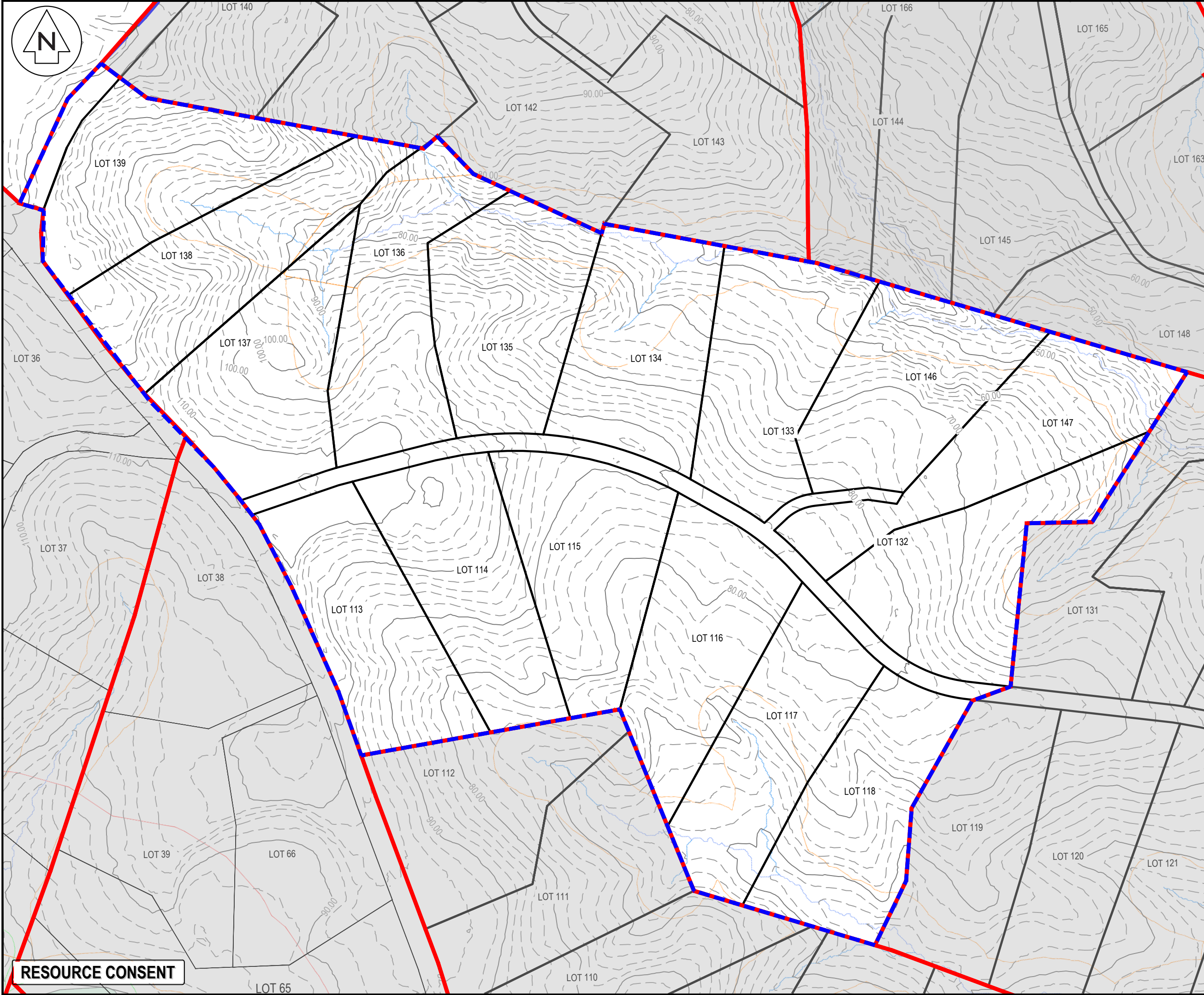
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Project
**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOO PUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title
**PROPOSED
EARTHWORKS
OVERVIEW - STAGE 8**

Project no.	147007
Scale	1:10,000 @ A3
Cad file	147007-M-C200 EARTHWORKS - STAGE 8.DWG
Drawing no.	C200-8-0
Rev	A

RESOURCE CONSENT



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	WETLAND AREA
	100m SETBACK
	EARTHWORKS CATCHMENT AREA

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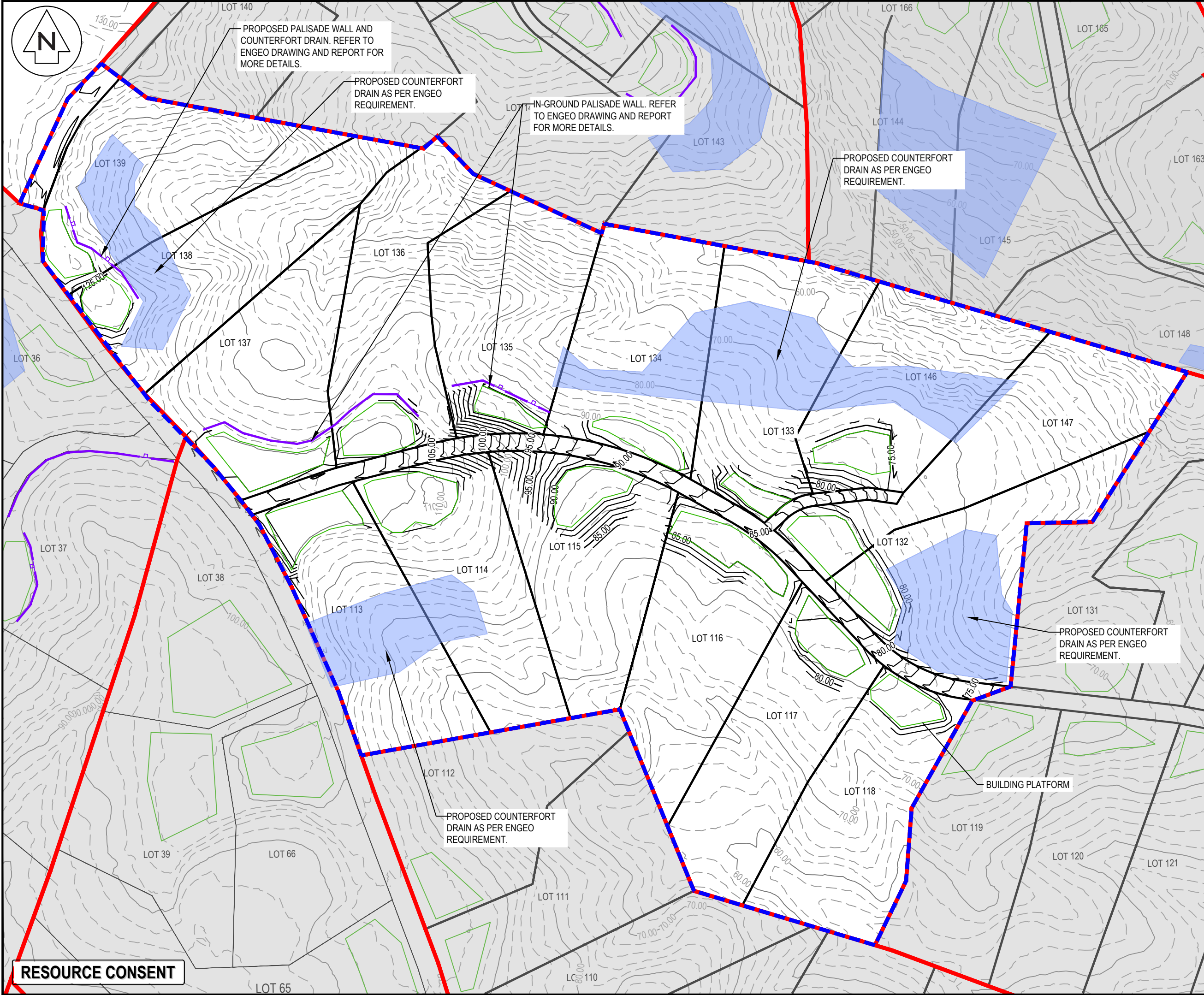
Project

**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOOPUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title

**EXISTING CONTOUR
PLAN - STAGE 8**

Project no.	147007		
Scale	1:2000 @ A3		
Cad file	147007-M-C200 EARTHWORKS - STAGE 8.DWG		
Drawing no.	C200-8-1	Rev	A



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	WETLAND AREA
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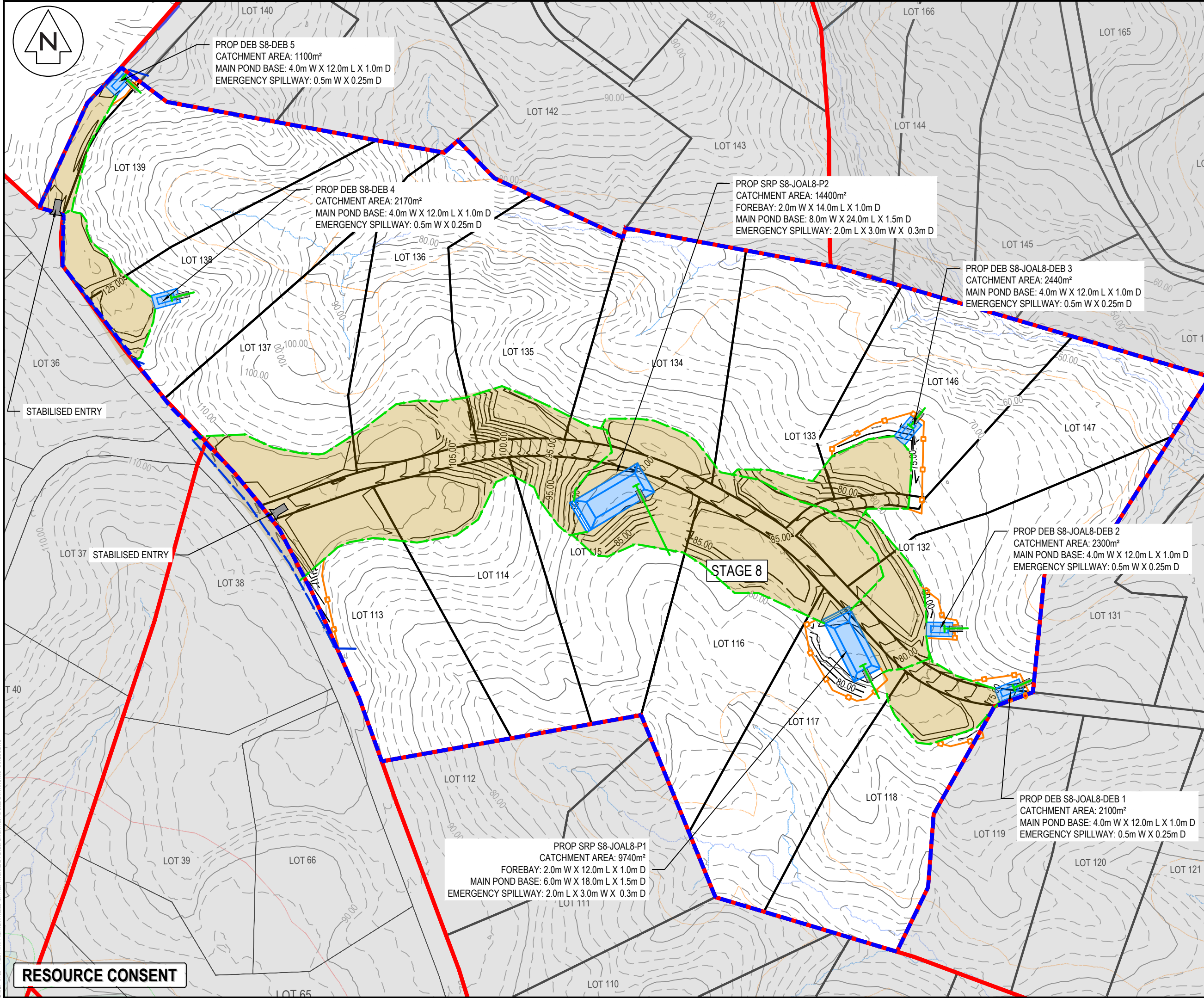
Project
DEVELOPMENT OF RIVERHEAD FOREST FOR RANGITOOPUNI DEVELOPMENTS LIMITED PARTNERSHIP

Title
PROPOSED EARTHWORKS CONTOUR PLAN - STAGE 8

Project no.	147007
Scale	1:2000 @ A3
Cad file	147007-M-C200 EARTHWORKS - STAGE 8.DWG
Drawing no.	C200-8-2
Rev	A

RESOURCE CONSENT

DATE: 14/03 FILE PATH: F:\MAVEN\PROJECTS\147007 RIVERHEAD FOREST\147007-M-C200 EARTHWORKS - STAGE 8.DWG



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PR MAJOR CONTOUR	PR MINOR CONTOUR
PROP EXTENT WORK	PROP CLEANWATER
PROP DIRTYWATER	PROP SILT FENCE
PROP SUPER SILT FENCE	PROP STOCKPILE
PROP DECANT	PROP DECANT BAR
STAGE BOUNDARY	EXISTING STREAM
EXISTING WETLAND	10m STREAM SETBACK
10m STREAM SETBACK	RIPARIAN YARD
20m SETBACK	WETLAND AREA
100m SETBACK	EARTHWORKS
CATCHMENT AREA	

A	RESOURCE CONSENT	MA	03/2025
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Project

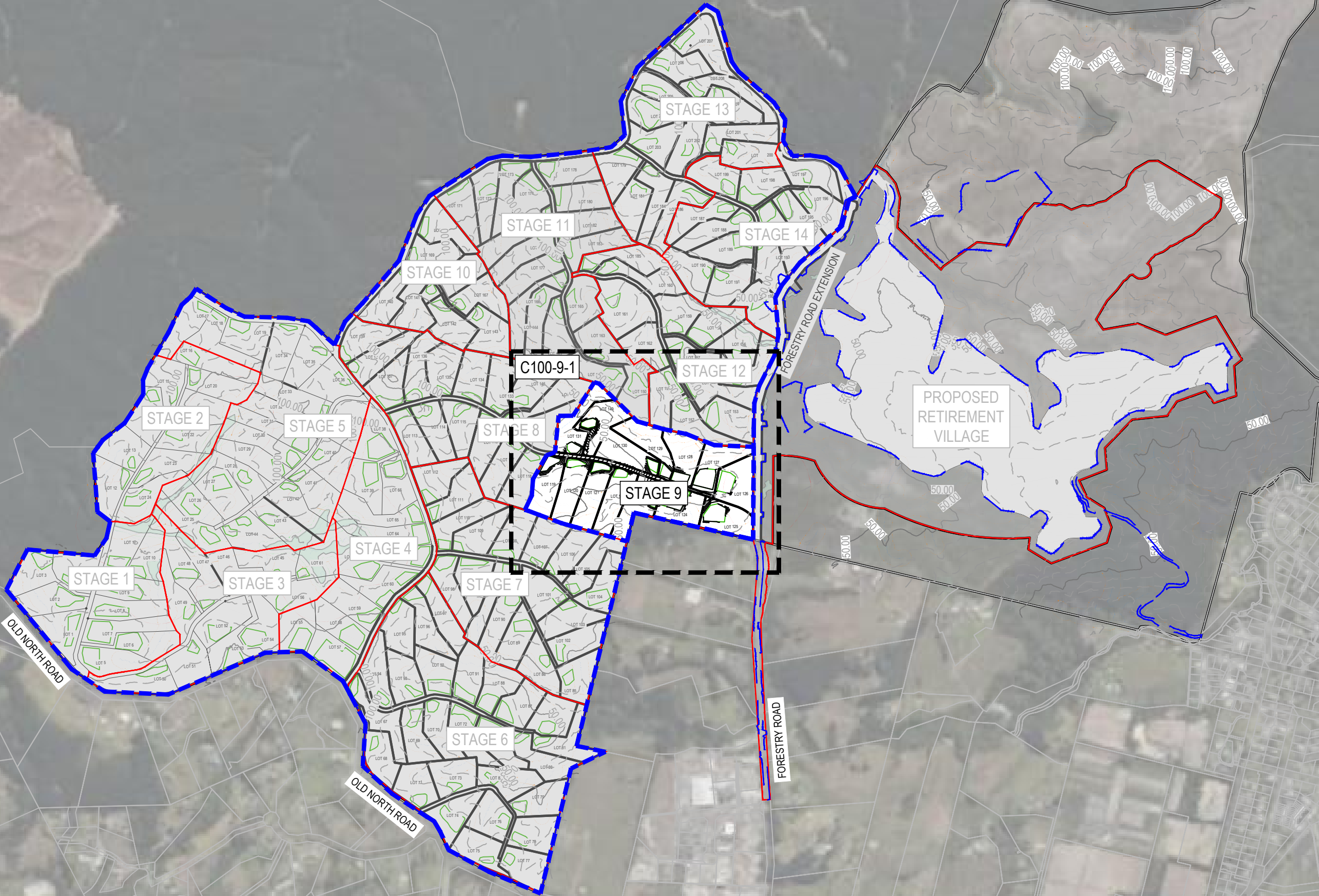
DEVELOPMENT OF RIVERHEAD FOREST FOR RANGITOOPUNI DEVELOPMENTS LIMITED PARTNERSHIP

Title

PROPOSED EROSION SEDIMENT CONTROL PLAN - STAGE 8

Project no.	147007		
Scale	1:2000 @ A3		
Cad file	147007-M-C200 EARTHWORKS - STAGE 8.DWG		
Drawing no.	C230-8-1	Rev	A

DATE: 14/05 FILE PATH: F:\Maven\PROJECTS\147007 RIVERHEAD FOREST\DWG\147007-M-C200 EARTHWORKS - STAGE 8.DWG



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 - PROP EXTENT WORK
 - PROP CLEANWATER
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 - EXISTING WETLAND
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 - WETLAND AREA
 - 100m SETBACK
 - EARTHWORKS CATCHMENT AREA

A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
Survey	LANDPRO		03/2023
Design	HN		03/2025
Drawn	MA		03/2025
Checked	RW/KH		03/2025

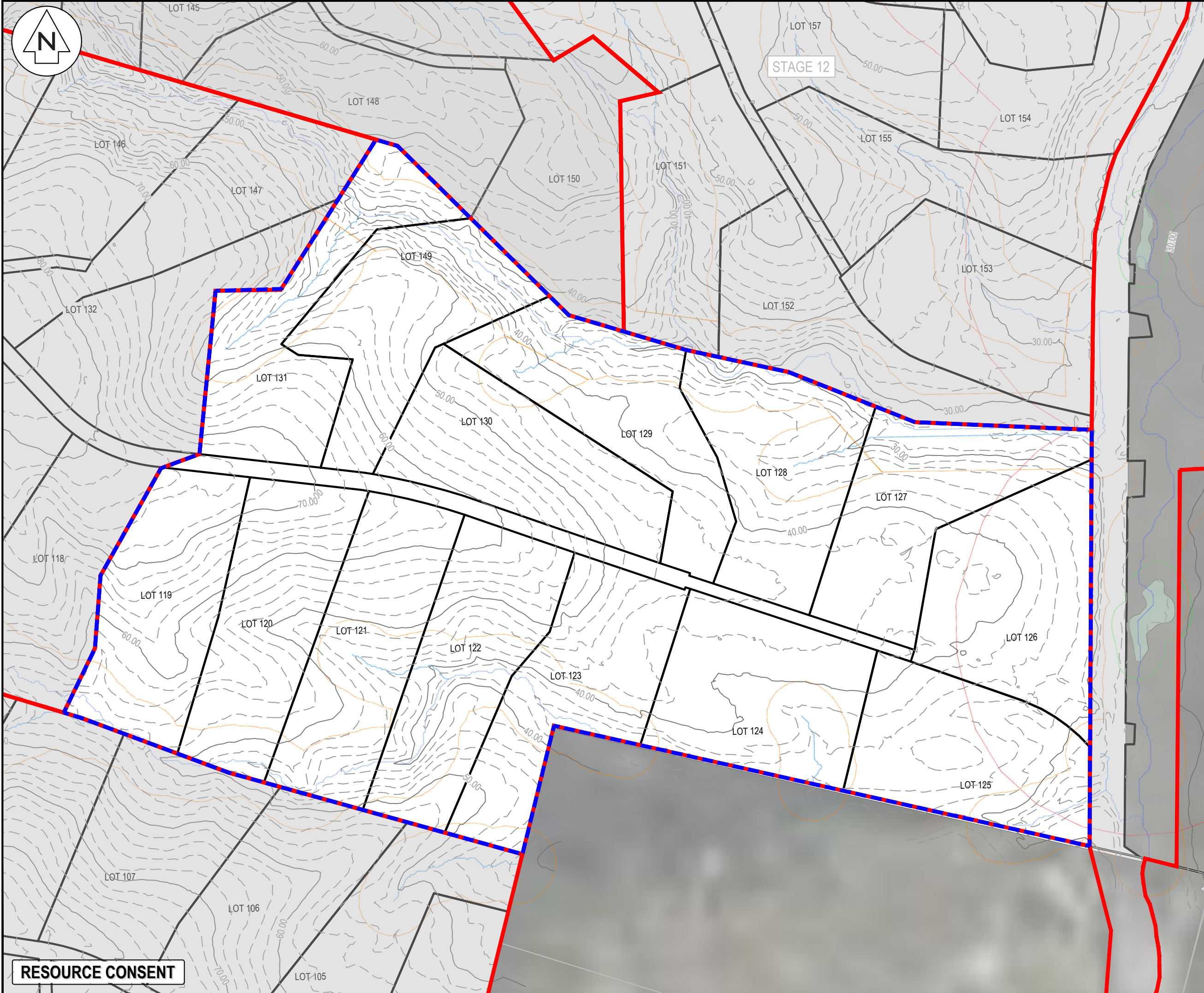
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Project
**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOO PUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title
**PROPOSED
EARTHWORKS
OVERVIEW - STAGE 9**

Project no.	147007
Scale	1:10,000 @ A3
Cad file	147007-M-C200 EARTHWORKS - STAGE 9.DWG
Drawing no.	C200-9-0
Rev	A

RESOURCE CONSENT



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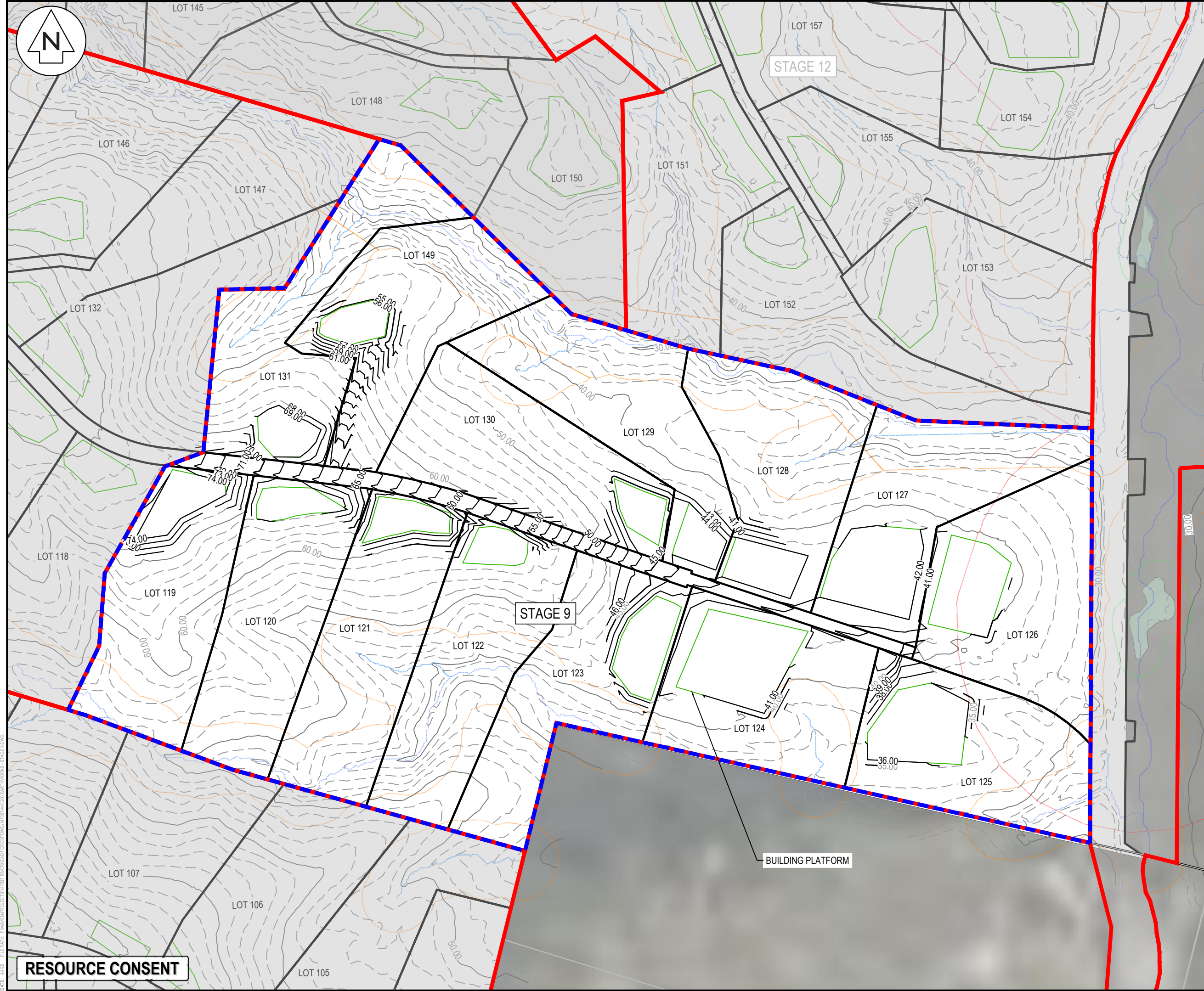
DEVELOPMENT OF RIVERHEAD FOREST FOR RANGITOOPUNI DEVELOPMENTS LIMITED PARTNERSHIP

Title

EXISTING CONTOUR PLAN - STAGE 9

Project no.	147007		
Scale	1:2000 @ A3		
Cad file	147007-M-C200 EARTHWORKS - STAGE 9.DWG		
Drawing no.	C200-9-1	Rev	A

DATE: 14/03 FILE PATH: F:\Maven\PROJECTS\147007 RIVERHEAD FOREST\DWG\147007-M-C200 EARTHWORKS - STAGE 9.DWG



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EX BDY	PROP BDY
EX MAJOR CONTOUR	EX MINOR CONTOUR
PR MAJOR CONTOUR	PR MINOR CONTOUR
PROP EXTENT WORK	PROP CLEANWATER
PROP DIRTYWATER	PROP SILT FENCE
PROP SUPER SILT FENCE	PROP STOCKPILE
PROP DECANT	PROP DECANT BAR
STAGE BOUNDARY	EXISTING STREAM
EXISTING WETLAND	10m STREAM SETBACK
RIPARIAN YARD	20m SETBACK
WETLAND AREA	100m SETBACK
EARTHWORKS	CATCHMENT AREA

A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
Survey	LANDPRO		03/2023
Design	HN		03/2025
Drawn	MA		03/2025
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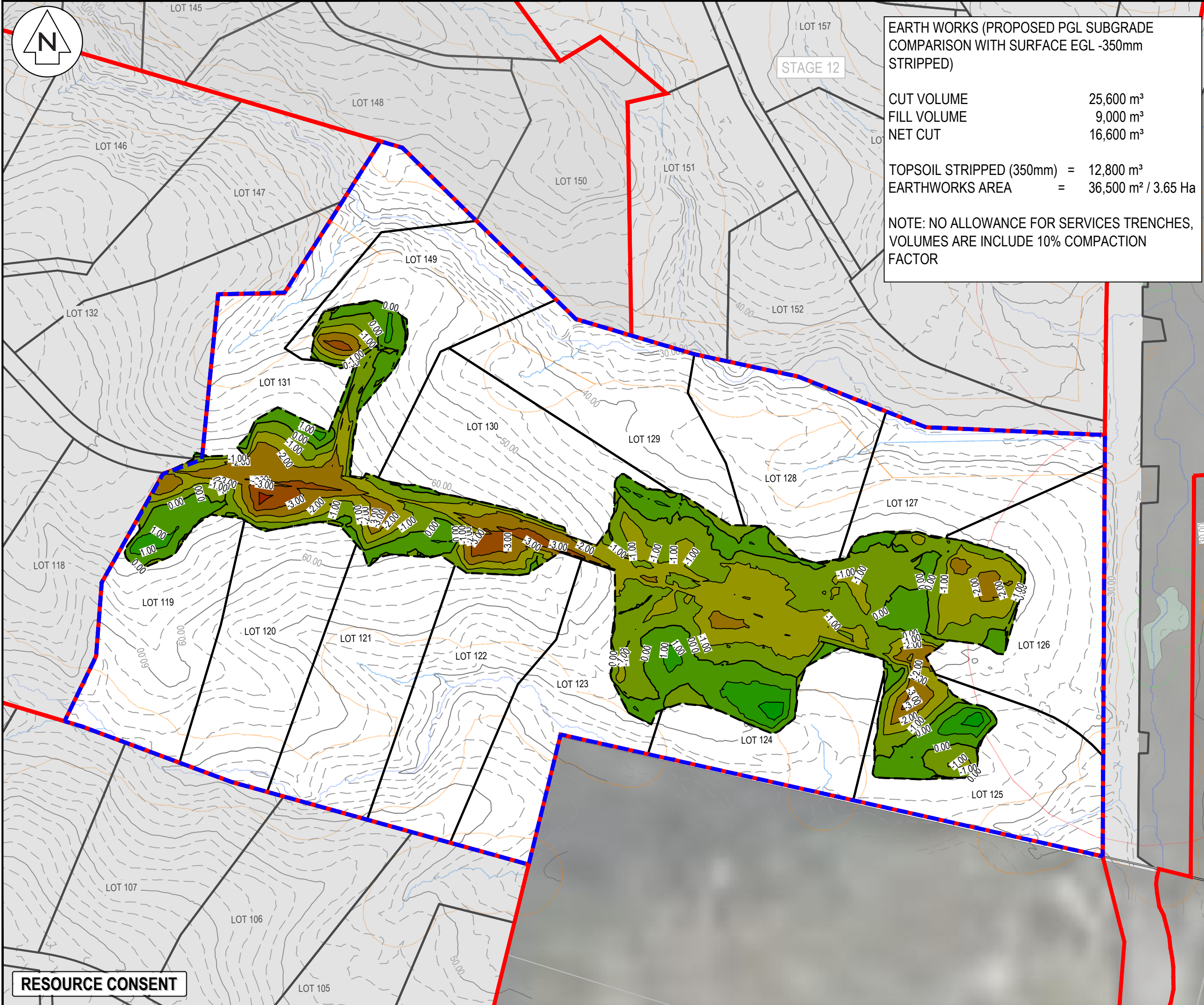
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Project
**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOOPUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title
**PROPOSED
EARTHWORKS CONTOUR
PLAN - STAGE 9**

Project no.	147007		
Scale	1:2000 @ A3		
Cad file	147007-M-C200 EARTHWORKS - STAGE 9.DWG		
Drawing no.	C200-9-2	Rev	A

DATE: 14/03 FILE PATH: F:\Maven\PROJECTS\147007 RIVERHEAD FOREST\147007-M-C200 EARTHWORKS - STAGE 9.DWG



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LEGEND

—	EX BDY
—	PROP BDY
- - -	PROP EXTENT WORK

Cut/Fill Table			
Number #	Minimum Elevation	Maximum Elevation	Color
1	-5.000	-4.000	
2	-4.000	-3.000	
3	-3.000	-2.000	
4	-2.000	-1.000	
5	-1.000	0.000	
6	0.000	1.000	
7	1.000	2.000	
8	2.000	3.000	

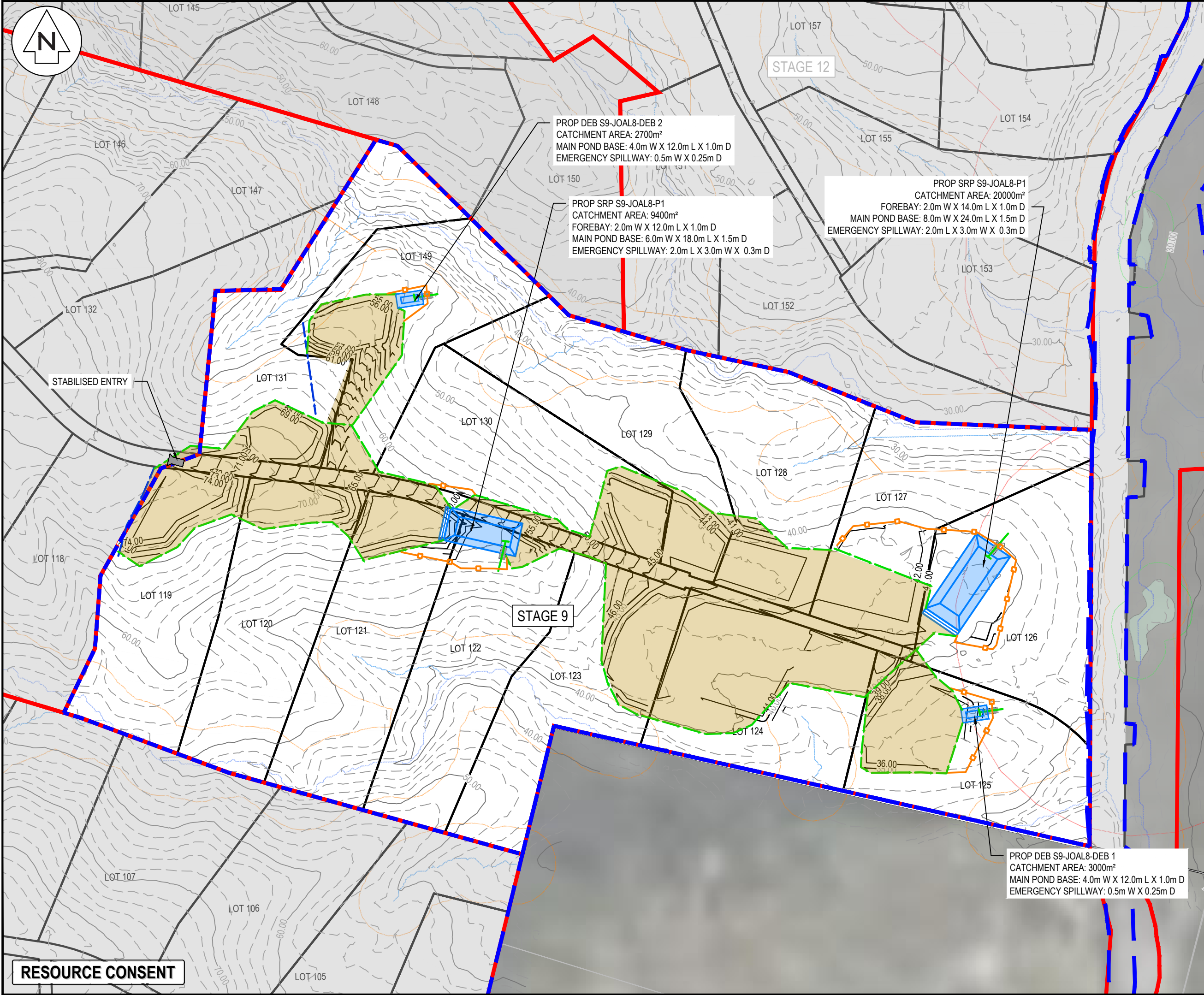
A	RESOURCE CONSENT	MA	03/2025
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Project
DEVELOPMENT OF RIVERHEAD FOREST FOR RANGITOOPUNI DEVELOPMENTS LIMITED PARTNERSHIP

Title
PROPOSED CUT/FILL PLAN - STAGE 9

Project no.	147007
Scale	1:2000 @ A3
Cad file	147007-M-C200 EARTHWORKS - STAGE 9.DWG
Drawing no.	C220-9-1
Rev	A



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PROP BDY	PROP BDY
EX MAJOR CONTOUR	EX MAJOR CONTOUR
EX MINOR CONTOUR	EX MINOR CONTOUR
PR MAJOR CONTOUR	PR MAJOR CONTOUR
PR MINOR CONTOUR	PR MINOR CONTOUR
PROP EXTENT WORK	PROP EXTENT WORK
PROP CLEANWATER	PROP CLEANWATER
PROP DIRTYWATER	PROP DIRTYWATER
PROP SILT FENCE	PROP SILT FENCE
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PROP STOCKPILE	PROP STOCKPILE
PROP DECANT	PROP DECANT
PROP DECANT BAR	PROP DECANT BAR
STAGE BOUNDARY	STAGE BOUNDARY
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EXISTING WETLAND	EXISTING WETLAND
10m STREAM SETBACK	10m STREAM SETBACK
RIPARIAN YARD	RIPARIAN YARD
20m SETBACK	20m SETBACK
WETLAND AREA	WETLAND AREA
100m SETBACK	100m SETBACK
EARTHWORKS	EARTHWORKS
CATCHMENT AREA	CATCHMENT AREA

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Project

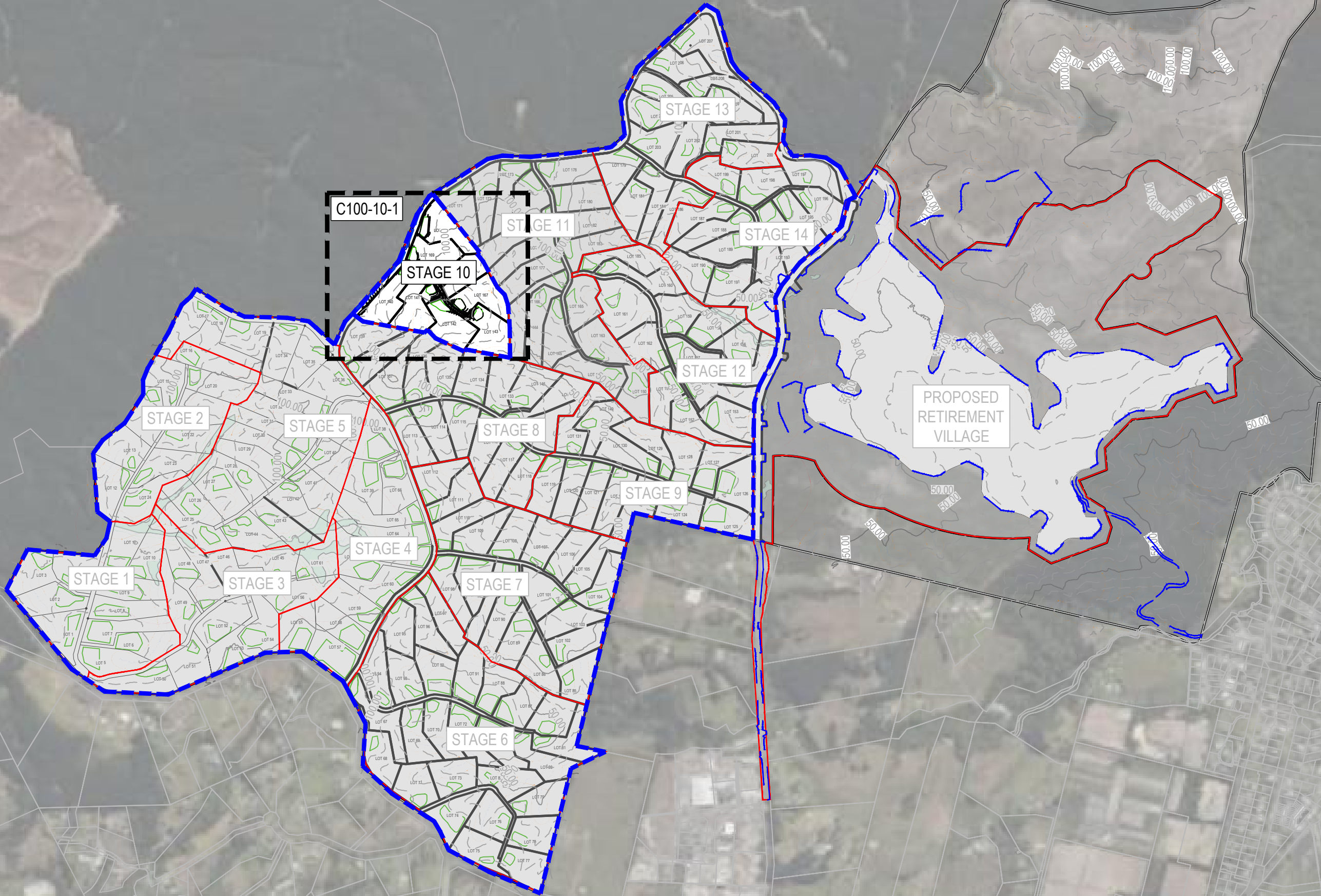
**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOOPUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title

**PROPOSED EROSION
SEDIMENT CONTROL
PLAN - STAGE 9**

Project no.	147007		
Scale	1:2000 @ A3		
Cad file	147007-M-C200 EARTHWORKS - STAGE 9.DWG		
Drawing no.	C230-9-1	Rev	A

DATE: 14/03 FILE PATH: F:\Maven\PROJECTS\147007 RIVERHEAD FOREST\DWG\147007M-C200 EARTHWORKS - STAGE 9.DWG



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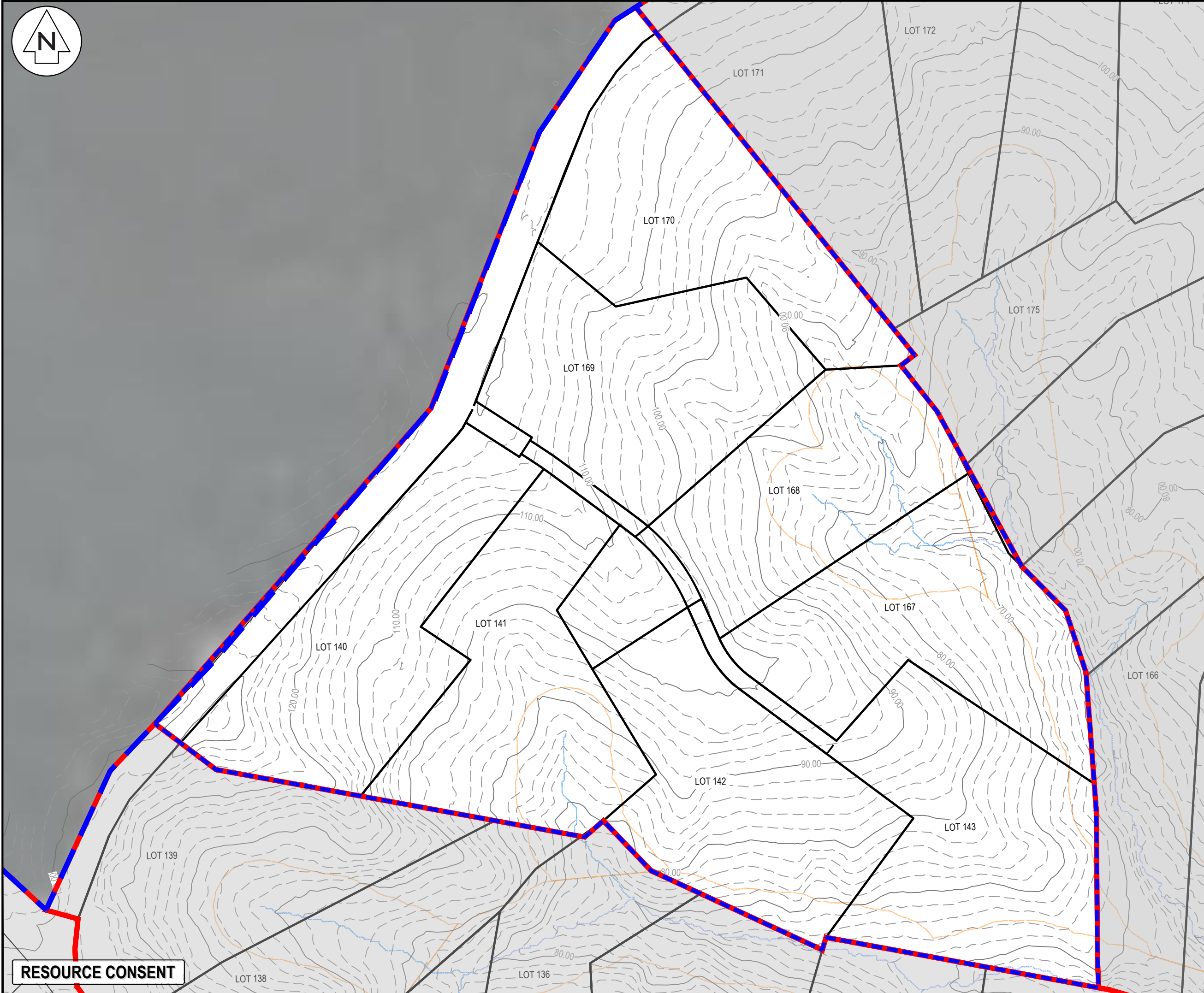
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**DEVELOPMENT OF
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FOR RANGITOOPUNI
DEVELOPMENTS LIMITED
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Title
**PROPOSED
EARTHWORKS
OVERVIEW - STAGE 10**

Project no.	147007
Scale	1:10,000 @ A3
Cad file	147007-M-C200 EARTHWORKS - STAGE 10.DWG
Drawing no.	C200-10-0
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RESOURCE CONSENT



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6. CONTRACTOR SHALL PROVIDE ASBUILT OF WORKING SEDIMENT CONTROL DEVICES AND CONFIRMATION OF POND/DECANT VOLUMES TO ENGINEER.
7. SEDIMENT CONTROL TO COMPLY WITH GD05 STANDARDS.

LEGEND

EX BDY	EX BDY
PROP BDY	PROP BDY
EX MAJOR CONTOUR	EX MAJOR CONTOUR
EX MINOR CONTOUR	EX MINOR CONTOUR
PR MAJOR CONTOUR	PR MAJOR CONTOUR
PR MINOR CONTOUR	PR MINOR CONTOUR
PROP EXTENT WORK	PROP EXTENT WORK
PROP CLEANWATER	PROP CLEANWATER
PROP DIRTYWATER	PROP DIRTYWATER
PROP SILT FENCE	PROP SILT FENCE
PROP SUPER SILT FENCE	PROP SUPER SILT FENCE
PROP STOCKPILE	PROP STOCKPILE
PROP DECANT	PROP DECANT
PROP DECANT BAR	PROP DECANT BAR
STAGE BOUNDARY	STAGE BOUNDARY
EXISTING STREAM	EXISTING STREAM
EXISTING WETLAND	EXISTING WETLAND
10m STREAM SETBACK	10m STREAM SETBACK
RIPARIAN YARD	RIPARIAN YARD
20m SETBACK	20m SETBACK
WETLAND AREA	WETLAND AREA
100m SETBACK	100m SETBACK
EARTHWORKS CATCHMENT AREA	EARTHWORKS CATCHMENT AREA

A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
Survey	LANDPRO	03/2023	
Design	HN	03/2025	
Drawn	MA	03/2025	
Checked	RW/KH	03/2025	

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Project

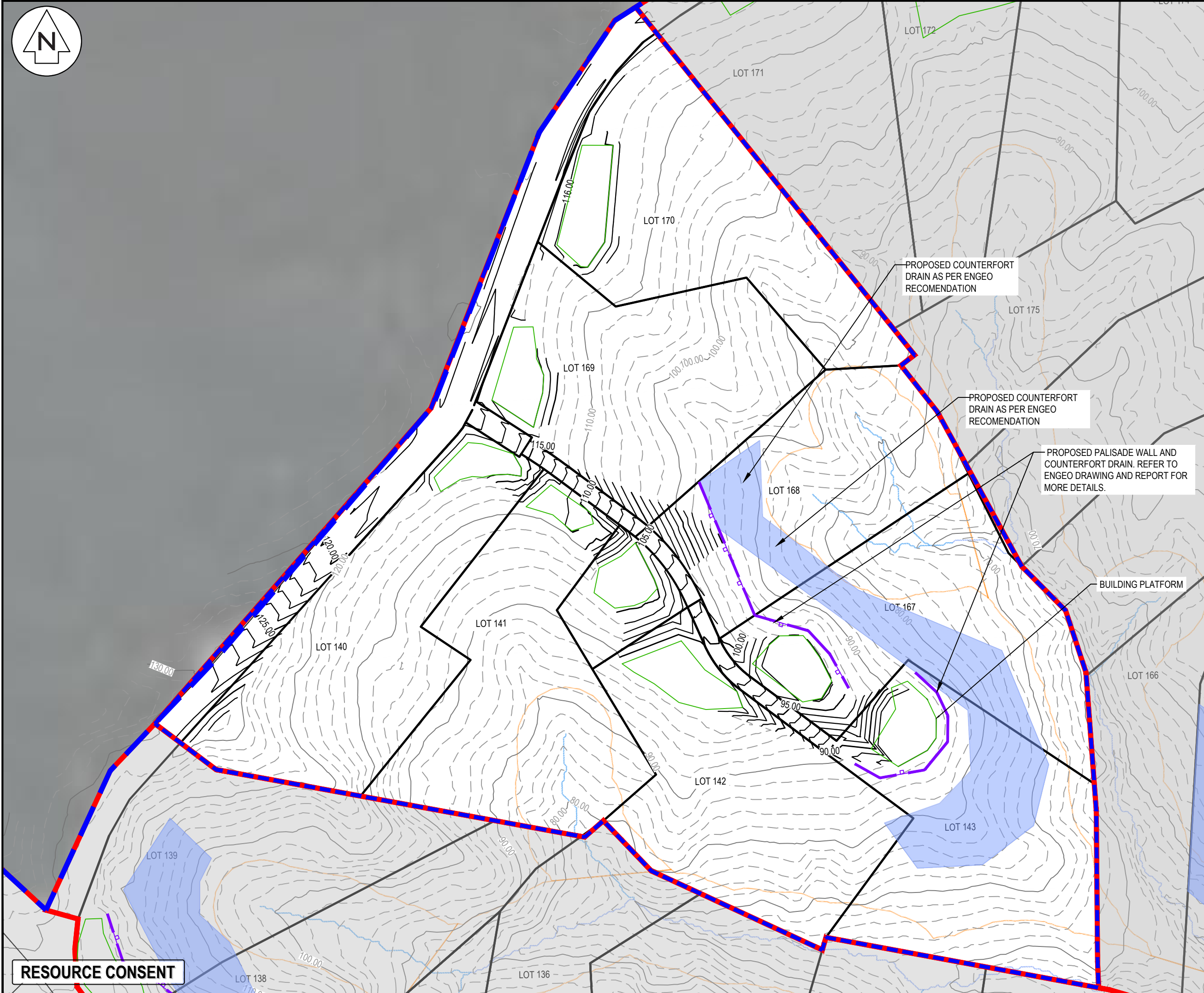
DEVELOPMENT OF RIVERHEAD FOREST FOR RANGITOOPUNI DEVELOPMENTS LIMITED PARTNERSHIP

Title

EXISTING CONTOUR PLAN - STAGE 10

Project no.	147007		
Scale	1:1500 @ A3		
Cad file	147007-M-C200 EARTHWORKS - STAGE 10.DWG		
Drawing no.	C200-10-1	Rev	A

DATE: 14/05 FILE PATH: F:\Maven\PROJECTS\147007 RIVERHEAD FOREST\DWG\147007-M-C200 EARTHWORKS - STAGE 10.DWG



NOTES

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7. SEDIMENT CONTROL TO COMPLY WITH GD05 STANDARDS.

LEGEND

EX BDY	PROP BDY	EX MAJOR CONTOUR	EX MINOR CONTOUR	PR MAJOR CONTOUR	PR MINOR CONTOUR	PROP EXTENT WORK	PROP CLEANWATER	PROP DIRTYWATER	PROP SILT FENCE	PROP SUPER SILT FENCE	PROP STOCKPILE	PROP DECANT	PROP DECANT BAR	STAGE BOUNDARY	EXISTING STREAM	EXISTING WETLAND	10m STREAM SETBACK	RIPARIAN YARD	20m SETBACK	WETLAND AREA	100m SETBACK	EARTHWORKS CATCHMENT AREA
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A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
Survey	LANDPRO		03/2023
Design	HN		03/2025
Drawn	MA		03/2025
Checked	RW/KH		03/2025

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Auckland 1023

Project
**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOOPUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title
**PROPOSED
EARTHWORKS CONTOUR
PLAN - STAGE 10**

Project no.	147007		
Scale	1:1500 @ A3		
Cad file	147007-M-C200 EARTHWORKS - STAGE 10.DWG		
Drawing no.	C200-10-2	Rev	A



EARTH WORKS (PROPOSED PGL SUBGRADE
COMPARISON WITH SURFACE EGL -350mm
STRIPPED)

CUT VOLUME 15,500 m³
FILL VOLUME 2,000 m³
NET CUT 13,500 m³

TOPSOIL STRIPPED (350mm) = 6,200 m³
EARTHWORKS AREA = 17,700 m² / 1.77 Ha

NOTE: NO ALLOWANCE FOR SERVICES TRENCHES,
VOLUMES ARE INCLUDE 10% COMPACTION FACTOR

- NOTES
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 7. SEDIMENT CONTROL TO COMPLY WITH GD05 STANDARDS.

LEGEND

EX BDY
PROP BDY
PROP EXTENT WORK

Cut/Fill Table			
Number #	Minimum Elevation	Maximum Elevation	Color
1	-5.000	-4.000	
2	-4.000	-3.000	
3	-3.000	-2.000	
4	-2.000	-1.000	
5	-1.000	0.000	
6	0.000	1.000	
7	1.000	2.000	

A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
Survey	LANDPRO		03/2023
Design	HN		03/2025
Drawn	MA		03/2025
Checked	RW/KH		03/2025



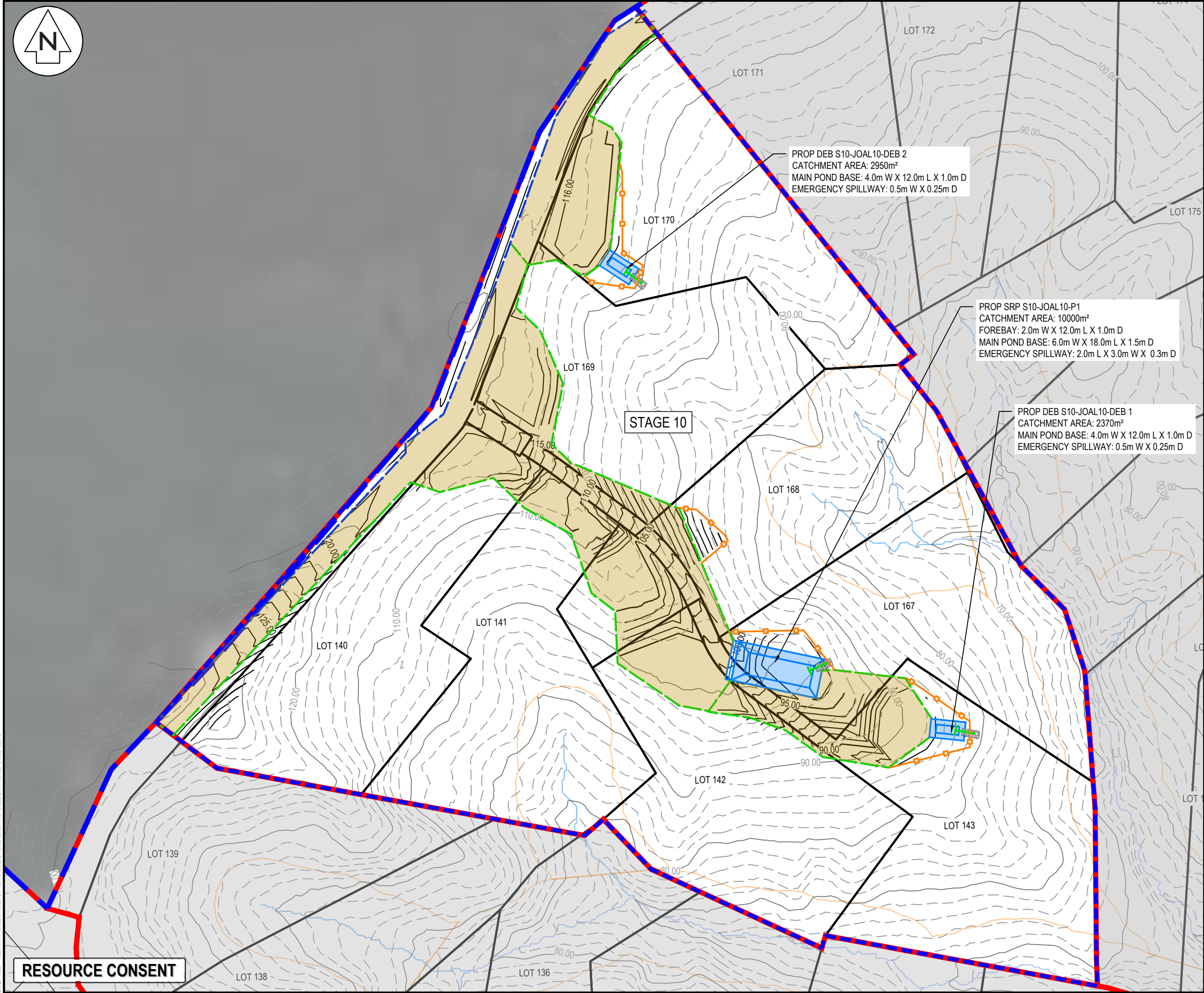
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Project
**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOOPUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title
**PROPOSED
CUT/FILL
PLAN - STAGE 10**

Project no.	147007
Scale	1:1500 @ A3
Cad file	147007-M-C200 EARTHWORKS - STAGE 10.DWG
Drawing no.	C220-10-1
Rev	A

RESOURCE CONSENT



NOTES

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LEGEND

	EX BDY
	PROP BDY
	EX MAJOR CONTOUR
	EX MINOR CONTOUR
	PR MAJOR CONTOUR
	PR MINOR CONTOUR
	PROP EXTENT WORK
	PROP CLEANWATER
	PROP DIRTYWATER
	PROP SILT FENCE
	PROP SUPER SILT FENCE
	PROP STOCKPILE
	PROP DECANT
	PROP DECANT BAR
	STAGE BOUNDARY
	EXISTING STREAM
	EXISTING WETLAND
	10m STREAM SETBACK
	RIPARIAN YARD
	20m SETBACK
	WETLAND AREA
	100m SETBACK
	EARTHWORKS CATCHMENT AREA

A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
Survey	LANDPRO		03/2023
Design	HN		03/2025
Drawn	MA		03/2025
Checked	RW/KH		03/2025

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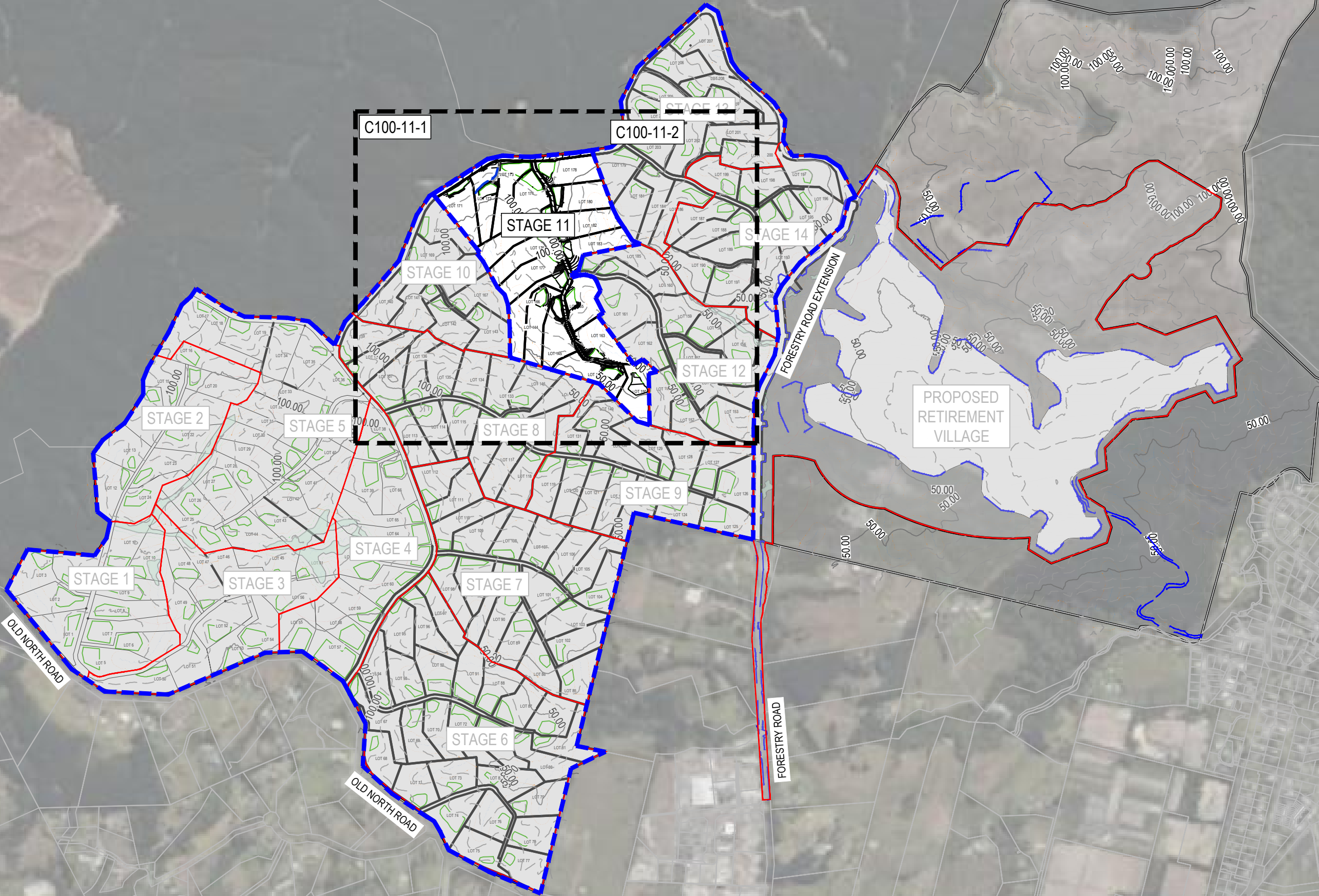
Project

**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOO PUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title

**PROPOSED EROSION
SEDIMENT CONTROL
PLAN - STAGE 10**

Project no.	147007		
Scale	1:1500 @ A3		
Cad file	147007-M-C200 EARTHWORKS - STAGE 10.DWG		
Drawing no.	C230-10-1	Rev	A



- NOTES
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- LEGEND
- EX BDY
 - PROP BDY
 - EX MAJOR CONTOUR
 - EX MINOR CONTOUR
 - PR MAJOR CONTOUR
 - PR MINOR CONTOUR
 - PROP EXTENT WORK
 - PROP CLEANWATER
 - PROP DIRTYWATER
 - PROP SILT FENCE
 - PROP SUPER SILT FENCE
 - PROP STOCKPILE
 - PROP DECANT
 - PROP DECANT BAR
 - STAGE BOUNDARY
 - EXISTING STREAM
 - EXISTING WETLAND
 - 10m STREAM SETBACK
 - RIPARIAN YARD
 - 20m SETBACK
 - WETLAND AREA
 - 100m SETBACK
 - EARTHWORKS CATCHMENT AREA

A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
Survey	LANDPRO		03/2023
Design	HN		03/2025
Drawn	MA		03/2025
Checked	RW/KH		03/2025



Project
**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOO PUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title
**PROPOSED
EARTHWORKS
OVERVIEW - STAGE 11**

Project no.	147007
Scale	1:10,000 @ A3
Cad file	147007-M-C200 EARTHWORKS - STAGE 11.DWG
Drawing no.	C200-11-0
Rev	A

RESOURCE CONSENT



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LEGEND

	EX BDY
	PROP BDY
	EX MAJOR CONTOUR
	EX MINOR CONTOUR
	PR MAJOR CONTOUR
	PR MINOR CONTOUR
	PROP EXTENT WORK
	PROP CLEANWATER
	PROP DIRTYWATER
	PROP SILT FENCE
	PROP SUPER SILT FENCE
	PROP STOCKPILE
	PROP DECANT
	PROP DECANT BAR
	STAGE BOUNDARY
	EXISTING STREAM
	EXISTING WETLAND
	10m STREAM SETBACK
	RIPARIAN YARD
	20m SETBACK
	WETLAND AREA
	100m SETBACK
	EARTHWORKS CATCHMENT AREA

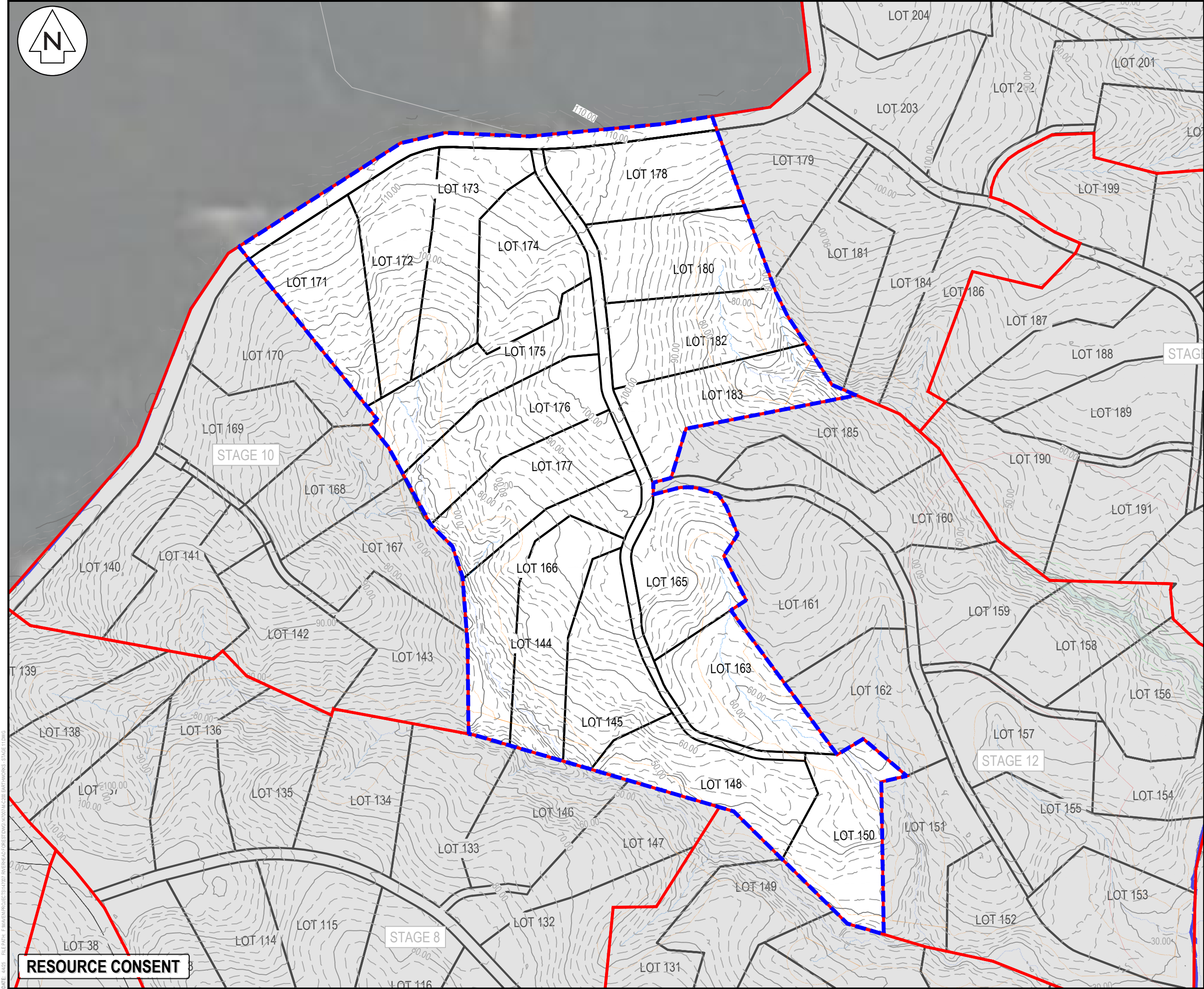
A	RESOURCE CONSENT	MA	03/2025	
Rev	Description	By	Date	
Survey	LANDPRO		03/2023	
Design	HN		03/2025	
Drawn	MA		03/2025	
Checked	RW/KH		03/2025	

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Project
**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOOPUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title
**EXISTING CONTOUR
PLAN - STAGE 11**

Project no.	147007
Scale	1:3000 @ A3
Cad file	147007-M-C200 EARTHWORKS - STAGE 11.DWG
Drawing no.	C200-11-1
Rev	A



RESOURCE CONSENT

DATE: 14/03/25 FILE PATH: F:\Maven\PROJECTS\147007 RIVERHEAD FOREST\DWG\147007-M-C200 EARTHWORKS - STAGE 11.DWG



-
- EX BDY
- PROP BDY
- EX MAJOR CONTOUR
- EX MINOR CONTOUR
- PR MAJOR CONTOUR
- PR MINOR CONTOUR
- PROP EXTENT WORK
- PROP CLEANWATER
- PROP DIRTYWATER
- PROP SILT FENCE
- PROP SUPER SILT FENCE
- PROP STOCKPILE
- PROP DECANT
- PROP DECANT BAR
- STAGE BOUNDARY
- EXISTING STREAM
- EXISTING WETLAND
- 10m STREAM SETBACK
- RIPARIAN YARD
- 20m SETBACK
- WETLAND AREA
- 100m SETBACK
- EARTHWORKS
- CATCHMENT AREA

A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
	By	Date	
✓ Survey	LANDPRO	03/2023	
Design	HN	03/2025	
Drawn	MA	03/2025	
✓ Checked	RW/KH	03/2025	



Project

**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOOPUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title

**PROPOSED
EARTHWORKS CONTOURS
PLAN - STAGE 11**

Project no.	147007		
Scale	1:3000 @ A3		
Cad file	147007-M-C200 EARTHWORKS - STAGE 11.DWG		
Drawing no.	C200-11-2	Rev	A



EARTH WORKS (PROPOSED PGL SUBGRADE
COMPARISON WITH SURFACE EGL -350mm STRIPPED)

CUT VOLUME 83,700 m³
FILL VOLUME 10,000 m³
NET CUT 73,700 m³

TOPSOIL STRIPPED (350mm) = 29,200 m³
EARTHWORKS AREA = 83,400 m² / 8.34 Ha

NOTE: NO ALLOWANCE FOR SERVICES TRENCHES,
VOLUMES ARE INCLUDE 10% COMPACTION FACTOR

- NOTES
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LEGEND

EX BDY
PROP BDY
PROP EXTENT WORK

A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
		By	Date
Survey	LANDPRO		03/2023
Design	HN		03/2025
Drawn	MA		03/2025
Checked	RW/KH		03/2025



Project
**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOOPUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title
**PROPOSED
CUT/FILL
PLAN - STAGE 11**

Project no.	147007
Scale	1:3000 @ A3
Cad file	147007-M-C200 EARTHWORKS - STAGE 11.DWG
Drawing no.	C220-11-1
Rev	A

Cut/Fill Table			
Number #	Minimum Elevation	Maximum Elevation	Color
1	-7.000	-6.000	
2	-6.000	-5.000	
3	-5.000	-4.000	
4	-4.000	-3.000	
5	-3.000	-2.000	
6	-2.000	-1.000	
7	-1.000	0.000	
8	0.000	1.000	
9	1.000	2.000	
10	2.000	3.000	



PROP DEB S11-JOAL11-DEB 4
CATCHMENT AREA: 2980m²
MAIN POND BASE: 4.0m W X 12.0m L X 1.0m D
EMERGENCY SPILLWAY: 0.5m W X 0.25m D

STABILISED ENTRY

PROP DEB S11-JOAL11-DEB 3
CATCHMENT AREA: 2010m²
MAIN POND BASE: 4.0m W X 12.0m L X 1.0m D
EMERGENCY SPILLWAY: 0.5m W X 0.25m D

STAGE 10

PROP DEB S11-JOAL11-DEB 2
CATCHMENT AREA: 2300m²
MAIN POND BASE: 4.0m W X 12.0m L X 1.0m D
EMERGENCY SPILLWAY: 0.5m W X 0.25m D

PROP SRP S11-JOAL11-P1
CATCHMENT AREA: 11650m²
FOREBAY: 2.0m W X 14.0m L X 1.0m D
MAIN POND BASE: 8.0m W X 24.0m L X 1.5m D
EMERGENCY SPILLWAY: 2.0m L X 3.0m W X 0.3m D

STAGE 8

PROP SRP S11-JOAL11-P2
CATCHMENT AREA: 25700m²
FOREBAY: 2.0m W X 18.0m L X 1.0m D
MAIN POND BASE: 12.0m W X 36.0m L X 1.5m D
EMERGENCY SPILLWAY: 2.0m L X 3.0m W X 0.3m D

PROP DEB S11-JOAL11-DEB 1
CATCHMENT AREA: 3000m²
MAIN POND BASE: 4.0m W X 12.0m L X 1.0m D
EMERGENCY SPILLWAY: 0.5m W X 0.25m D

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- LEGEND
- EX BDY
 - PROP BDY
 - EX MAJOR CONTOUR
 - EX MINOR CONTOUR
 - PR MAJOR CONTOUR
 - PR MINOR CONTOUR
 - PROP EXTENT WORK
 - PROP CLEANWATER
 - PROP DIRTYWATER
 - PROP SILT FENCE
 - PROP SUPER SILT FENCE
 - PROP STOCKPILE
 - PROP DECANT
 - PROP DECANT BAR
 - STAGE BOUNDARY
 - EXISTING STREAM
 - EXISTING WETLAND
 - 10m STREAM SETBACK
 - RIPARIAN YARD
 - 20m SETBACK
 - WETLAND AREA
 - 100m SETBACK
 - EARTHWORKS
 - CATCHMENT AREA

A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
Survey	LANDPRO		03/2023
Design	HN		03/2025
Drawn	MA		03/2025
Checked	RW/KH		03/2025



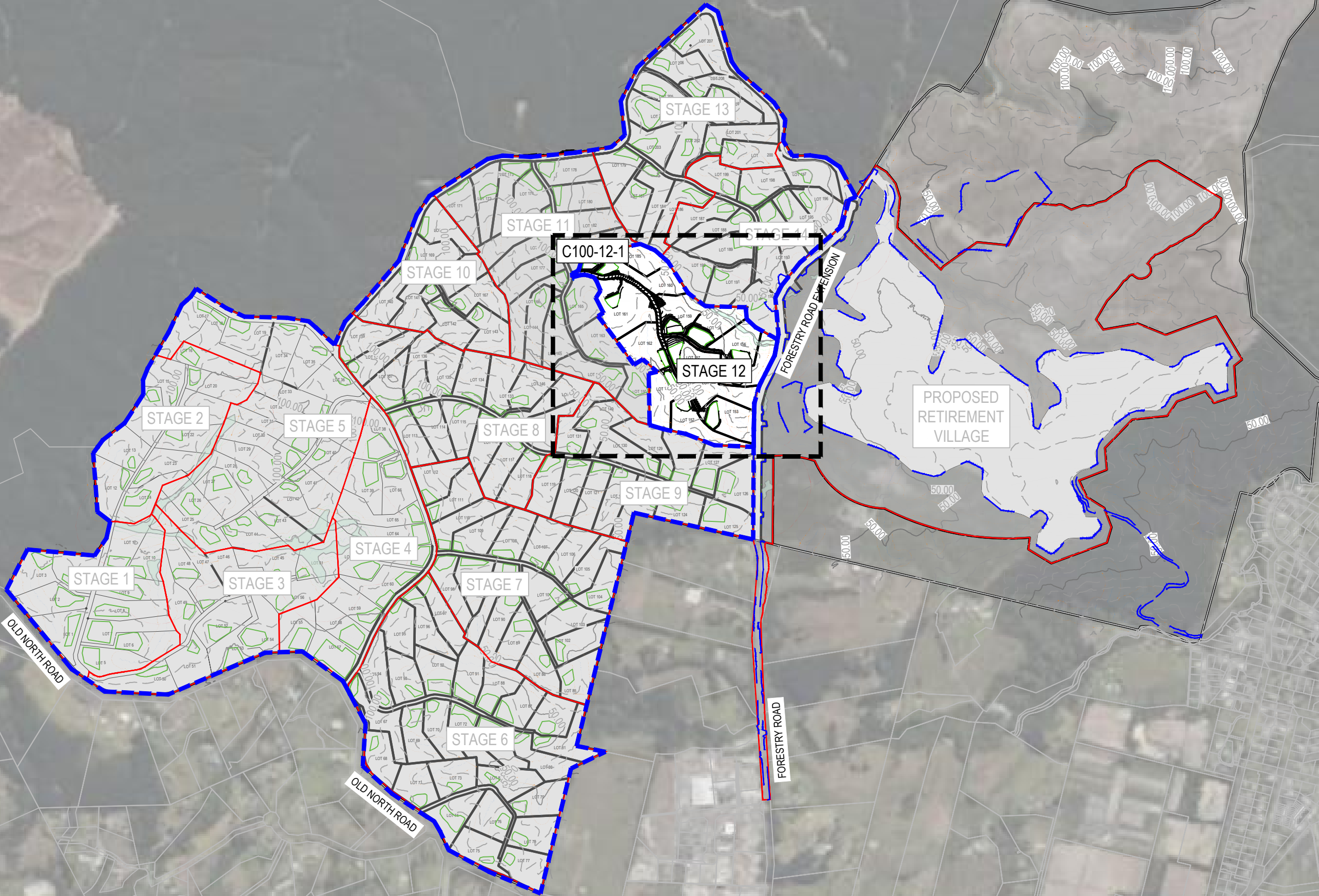
Project
**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOOPUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title
**PROPOSED EROSION
SEDIMENT CONTROL
PLAN - STAGE 11**

Project no.	147007
Scale	1:3000 @ A3
Cad file	147007-M-C200 EARTHWORKS - STAGE 11.DWG
Drawing no.	C230-11-1
Rev	A

RESOURCE CONSENT

DATE: 14/03 FILE PATH: F:\Maven\PROJECTS\147007 RIVERHEAD FOREST\DWG\147007-M-C200 EARTHWORKS - STAGE 11.DWG



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LEGEND

	EX BDY
	PROP BDY
	EX MAJOR CONTOUR
	EX MINOR CONTOUR
	PR MAJOR CONTOUR
	PR MINOR CONTOUR
	PROP EXTENT WORK
	PROP CLEANWATER
	PROP DIRTYWATER
	PROP SILT FENCE
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	EXISTING WETLAND
	10m STREAM SETBACK
	RIPARIAN YARD
	20m SETBACK
	WETLAND AREA
	100m SETBACK
	EARTHWORKS CATCHMENT AREA

A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
		By	Date
Survey	LANDPRO		03/2023
Design	HN		03/2025
Drawn	MA		03/2025
Checked	RW/KH		03/2025

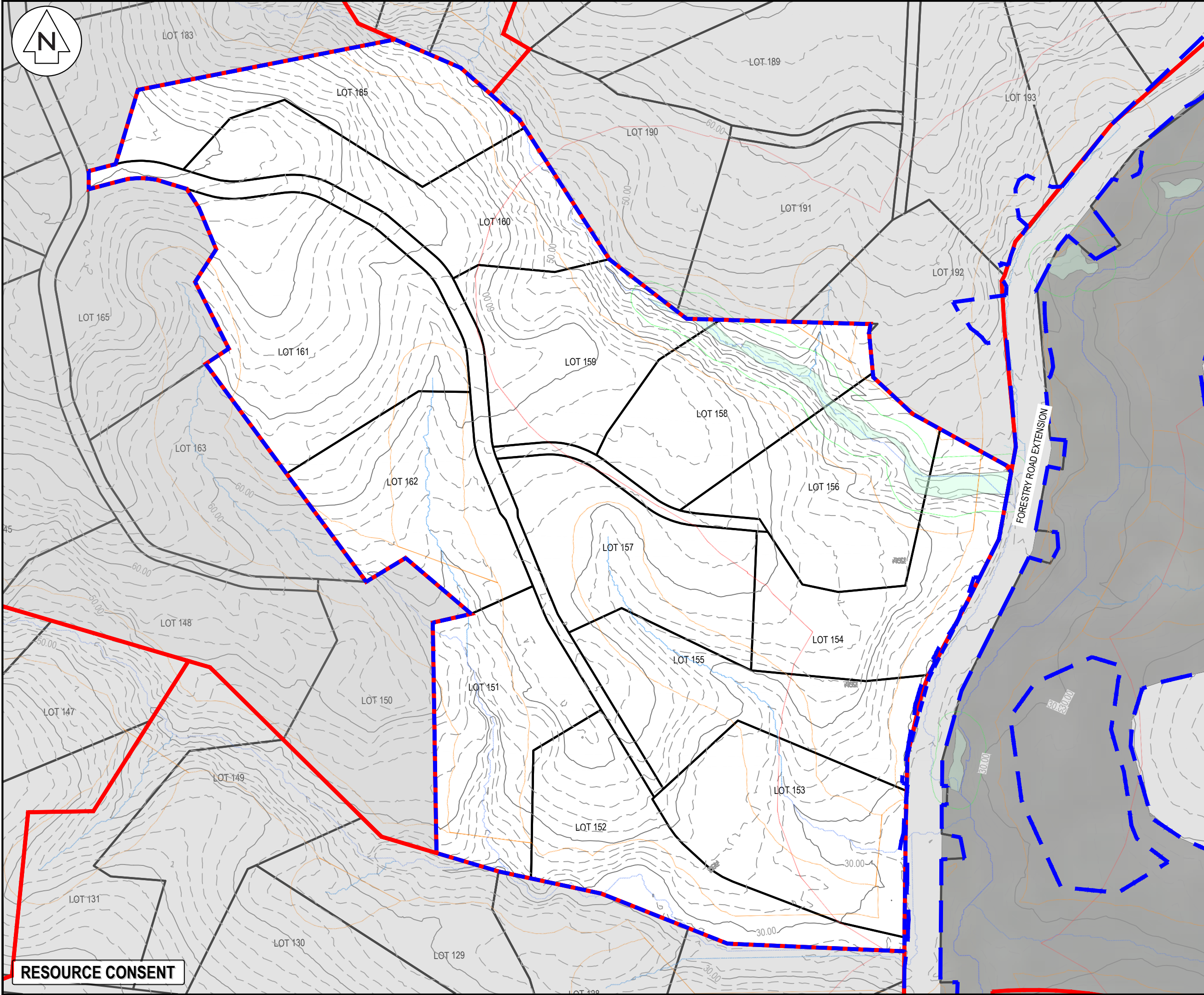
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Project
**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOOPUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title
**PROPOSED
EARTHWORKS
OVERVIEW - STAGE 12**

Project no.	147007
Scale	1:10,000 @ A3
Cad file	147007-M-C200 EARTHWORKS - STAGE 12.DWG
Drawing no.	C200-12-0
Rev	A

RESOURCE CONSENT



NOTES

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LEGEND

EX BDY

PROP BDY

EX MAJOR CONTOUR

EX MINOR CONTOUR

PR MAJOR CONTOUR

PR MINOR CONTOUR

PROP EXTENT WORK

PROP CLEANWATER

PROP DIRTYWATER

PROP SILT FENCE

PROP SUPER SILT FENCE

PROP STOCKPILE

PROP DECANT

PROP DECANT BAR

STAGE BOUNDARY

EXISTING STREAM

EXISTING WETLAND

10m STREAM SETBACK

RIPARIAN YARD

20m SETBACK

WETLAND AREA

100m SETBACK

EARTHWORKS CATCHMENT AREA

A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
Survey	LANDPRO		03/2023
Design	HN		03/2025
Drawn	MA		03/2025
Checked	RW/KH		03/2025

M

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Auckland 1023

Project

DEVELOPMENT OF RIVERHEAD FOREST FOR RANGITOOPUNI DEVELOPMENTS LIMITED PARTNERSHIP

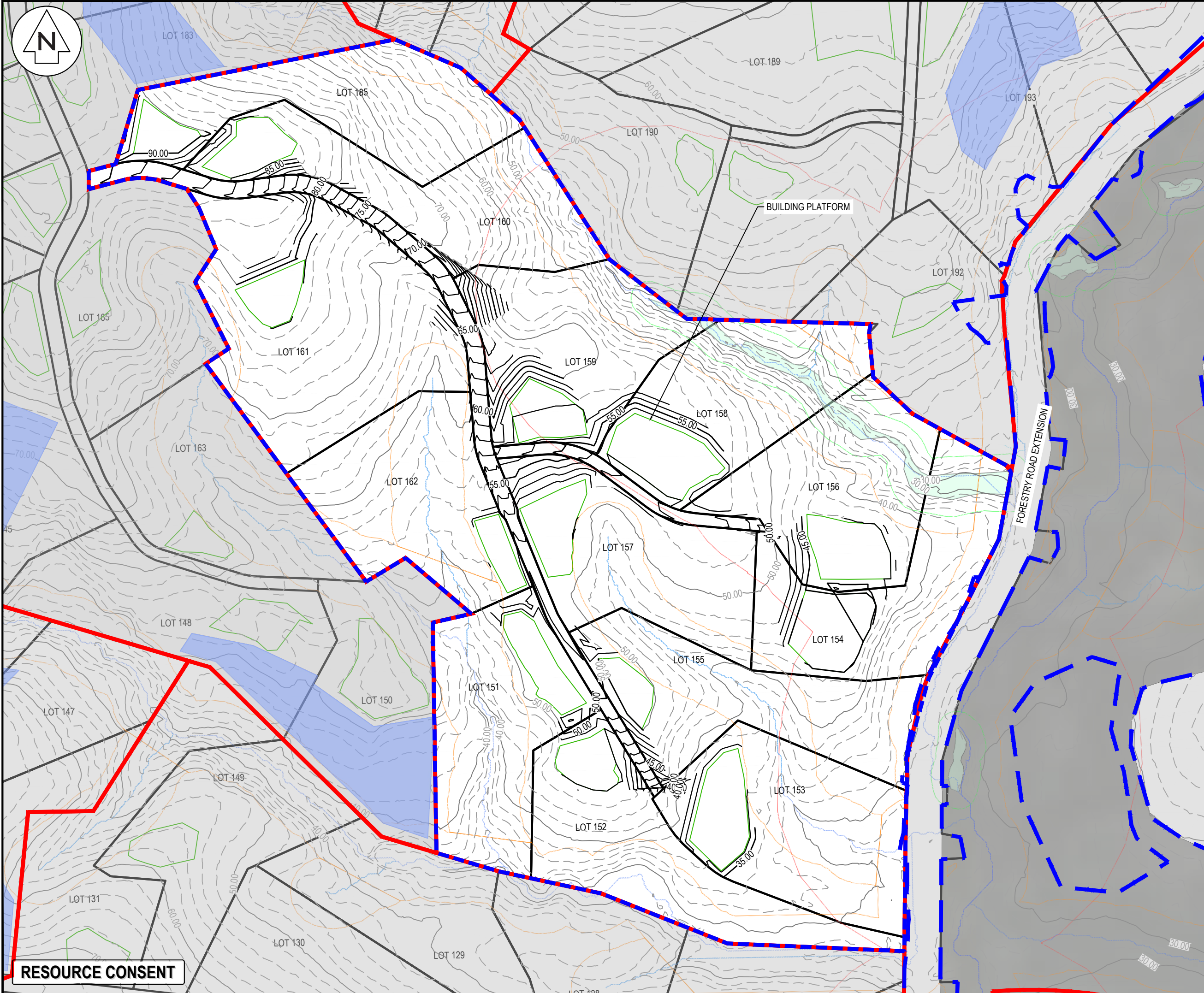
Title

EXISTING CONTOUR PLAN - STAGE 12

Project no.	147007		
Scale	1:2000 @ A3		
Cad file	147007-M-C200 EARTHWORKS - STAGE 12.DWG		
Drawing no.	C200-12-1	Rev	A

DATE: 14/03 FILE PATH: F:\Maven\PROJECTS\147007 RIVERHEAD FOREST\DWG\147007-M-C200 EARTHWORKS - STAGE 12.DWG

RESOURCE CONSENT



NOTES

1. ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARDS.
2. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL SERVICES THAT MAY BE AFFECTED BY THEIR OPERATIONS.
3. THE CONTRACTOR SHALL COMPLY WITH ALL RELEVANT HEALTH AND SAFETY REQUIREMENTS.
4. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY APPROVAL FROM UTILITY OPERATORS BEFORE COMMENCING WORK UNDER OR NEAR THEIR SERVICES.
5. SEDIMENT CONTROL SHALL BE INSTALLED AND OPERATIONAL BEFORE EARTHWORKS START ONSITE IN ACCORDANCE WITH COUNCIL STANDARDS.
6. CONTRACTOR SHALL PROVIDE ASBUILT OF WORKING SEDIMENT CONTROL DEVICES AND CONFIRMATION OF POND/DECENT VOLUMES TO ENGINEER.
7. SEDIMENT CONTROL TO COMPLY WITH GD05 STANDARDS.

LEGEND

EX BDY	PROP BDY	EX MAJOR CONTOUR	EX MINOR CONTOUR	PR MAJOR CONTOUR	PR MINOR CONTOUR	PROP EXTENT WORK	PROP CLEANWATER	PROP DIRTYWATER	PROP SILT FENCE	PROP SUPER SILT FENCE	PROP STOCKPILE	PROP DECANT	PROP DECANT BAR	STAGE BOUNDARY	EXISTING STREAM	EXISTING WETLAND	10m STREAM SETBACK	RIPARIAN YARD	20m SETBACK	WETLAND AREA	100m SETBACK	EARTHWORKS CATCHMENT AREA
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A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
Survey	LANDPRO		03/2023
Design	HN		03/2025
Drawn	MA		03/2025
Checked	RW/KH		03/2025

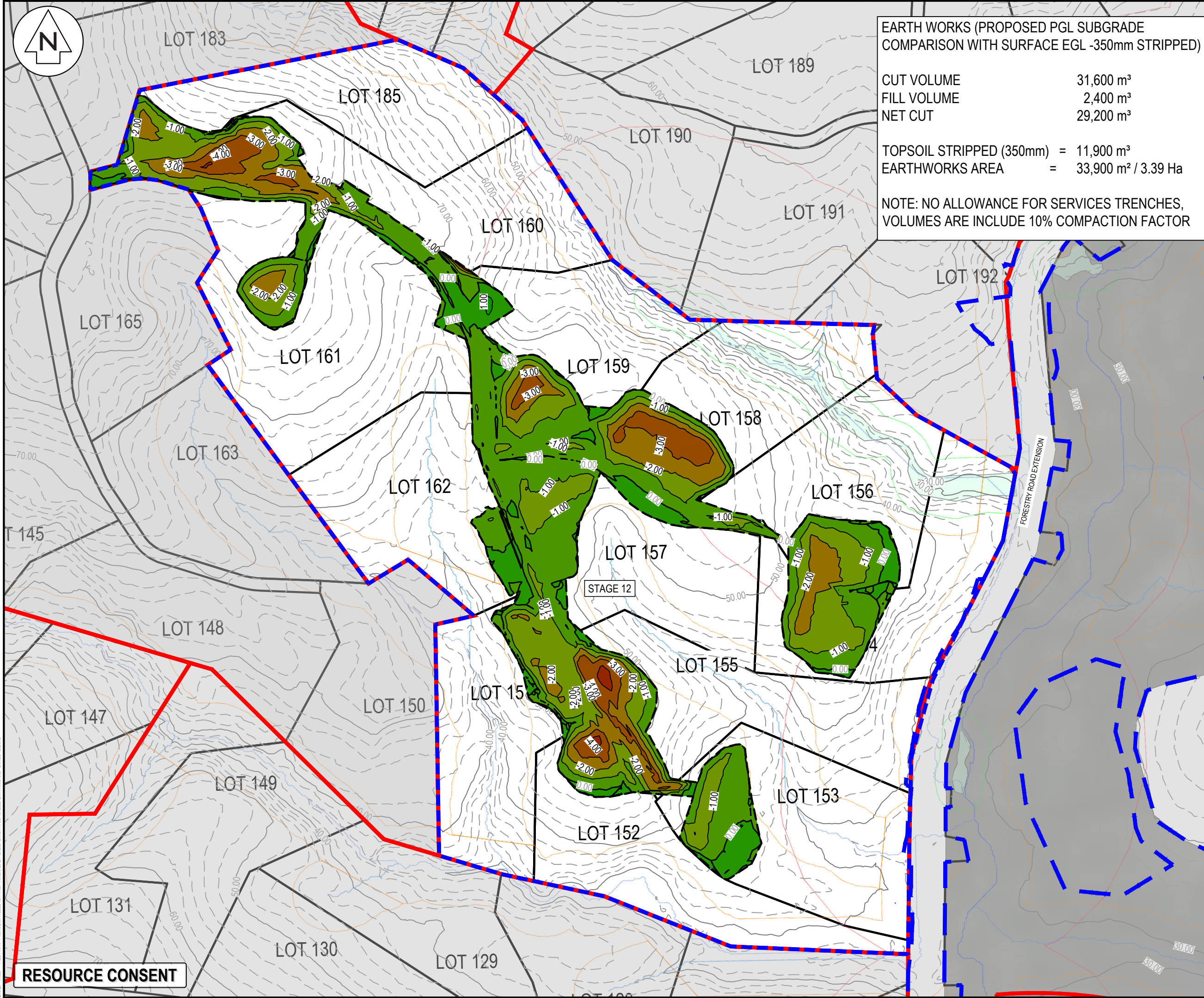
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Project
**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOOPUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title
**PROPOSED
EARTHWORKS CONTOUR
PLAN - STAGE 12**

Project no.	147007		
Scale	1:2000 @ A3		
Cad file	147007-M-C200 EARTHWORKS - STAGE 12.DWG		
Drawing no.	C200-12-2	Rev	A

DATE: 14/03 FILE PATH: F:\Maven\PROJECTS\147007 RIVERHEAD FOREST\DWG\147007-M-C200 EARTHWORKS - STAGE 12.DWG



EARTH WORKS (PROPOSED PGL SUBGRADE
COMPARISON WITH SURFACE EGL -350mm STRIPPED)

CUT VOLUME 31,600 m³
FILL VOLUME 2,400 m³
NET CUT 29,200 m³

TOPSOIL STRIPPED (350mm) = 11,900 m³
EARTHWORKS AREA = 33,900 m² / 3.39 Ha

NOTE: NO ALLOWANCE FOR SERVICES TRENCHES,
VOLUMES ARE INCLUDE 10% COMPACTION FACTOR

- NOTES
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 7. SEDIMENT CONTROL TO COMPLY WITH GD05 STANDARDS.

LEGEND

EX BDY
PROP BDY
PROP EXTENT WORK

Cut/Fill Table			
Number #	Minimum Elevation	Maximum Elevation	Color
1	-5.000	-4.000	
2	-4.000	-3.000	
3	-3.000	-2.000	
4	-2.000	-1.000	
5	-1.000	0.000	
6	0.000	1.000	
7	1.000	2.000	

A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
		By	Date
Survey	LANDPRO		03/2023
Design	HN		03/2025
Drawn	MA		03/2025
Checked	RW/KH		03/2025

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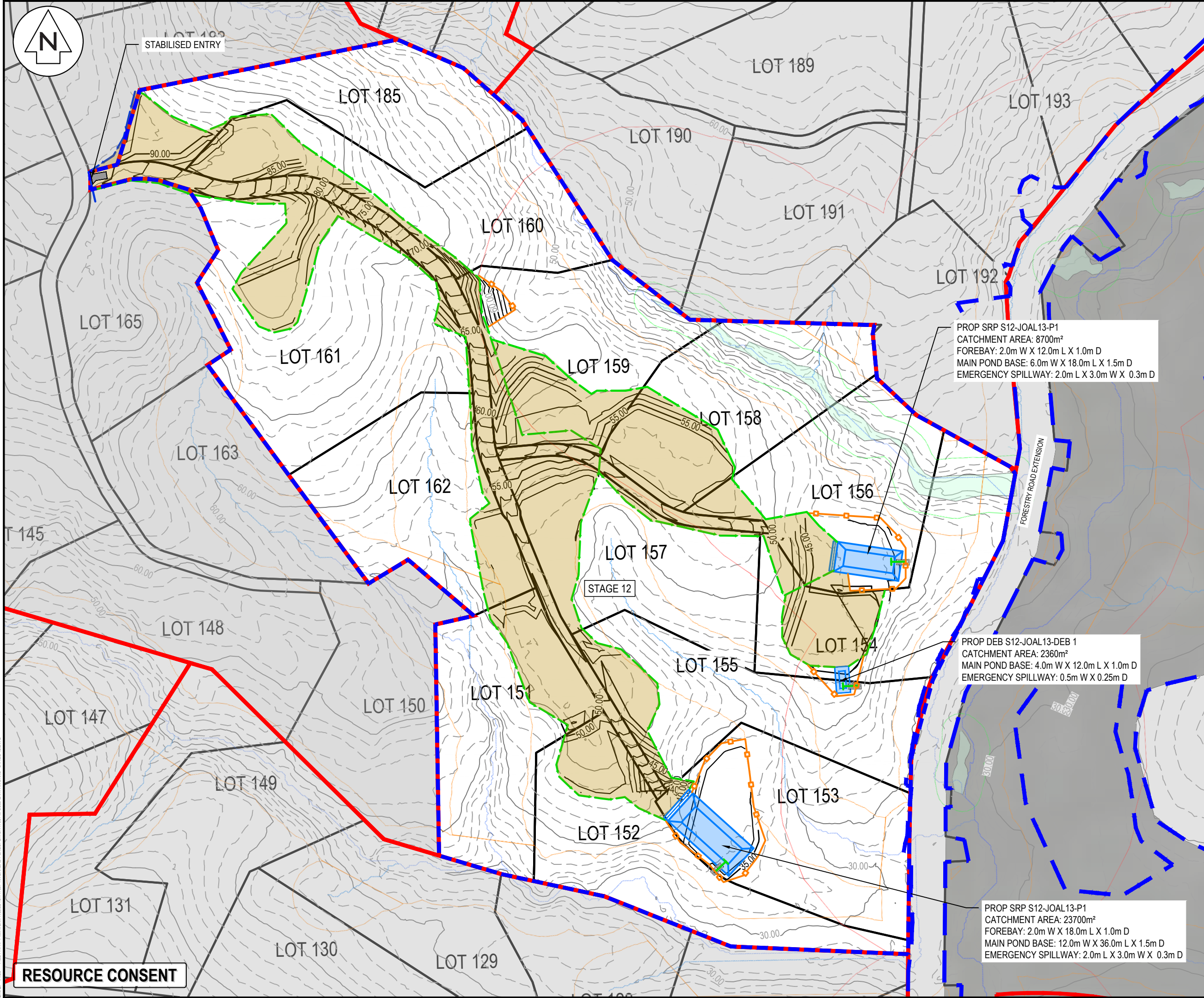
Project
**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOOPUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title
**PROPOSED
CUT/FILL
PLAN - STAGE 12**

Project no.	147007
Scale	1:2000 @ A3
Cad file	147007-M-C200 EARTHWORKS - STAGE 12.DWG
Drawing no.	C220-12-1
Rev	A

DATE: 14/03 FILE PATH: F:\Maven\PROJECTS\147007 RIVERHEAD FOREST\147007-M-C200 EARTHWORKS - STAGE 12.DWG

RESOURCE CONSENT



NOTES

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7. SEDIMENT CONTROL TO COMPLY WITH GD05 STANDARDS.

LEGEND

	EX BDY
	PROP BDY
	EX MAJOR CONTOUR
	EX MINOR CONTOUR
	PR MAJOR CONTOUR
	PR MINOR CONTOUR
	PROP EXTENT WORK
	PROP CLEANWATER
	PROP DIRTYWATER
	PROP SILT FENCE
	PROP SUPER SILT FENCE
	PROP STOCKPILE
	PROP DECANT
	PROP DECANT BAR
	STAGE BOUNDARY
	EXISTING STREAM
	EXISTING WETLAND
	10m STREAM SETBACK
	RIPARIAN YARD
	20m SETBACK
	WETLAND AREA
	100m SETBACK
	EARTHWORKS
	CATCHMENT AREA

A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
Survey	LANDPRO		03/2023
Design	HN		03/2025
Drawn	MA		03/2025
Checked	RW/KH		03/2025

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Project

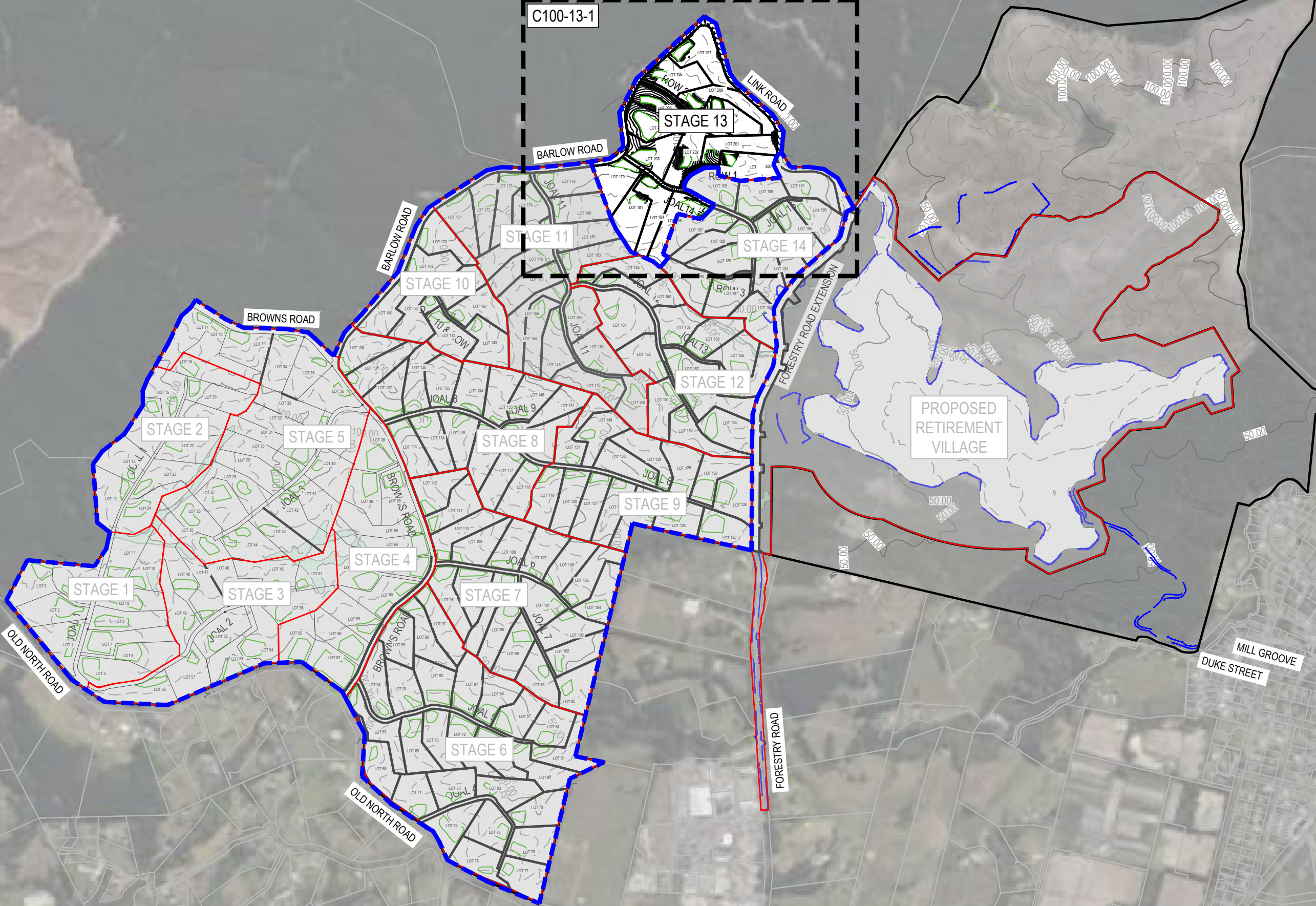
DEVELOPMENT OF RIVERHEAD FOREST FOR RANGITOOPUNI DEVELOPMENTS LIMITED PARTNERSHIP

Title

PROPOSED EROSION SEDIMENT CONTROL PLAN - STAGE 12

Project no.	147007		
Scale	1:2000 @ A3		
Cad file	147007-M-C200 EARTHWORKS - STAGE 12.DWG		
Drawing no.	C230-12-1	Rev	A

DATE: 14/03 FILE PATH: F:\Maven\PROJECTS\147007 RIVERHEAD FOREST\DWG\147007-M-C200 EARTHWORKS - STAGE 12.DWG



- NOTES
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LEGEND

	EX BDY
	PROP BDY
	EX MAJOR CONTOUR
	EX MINOR CONTOUR
	PR MAJOR CONTOUR
	PR MINOR CONTOUR
	PROP EXTENT WORK
	PROP CLEANWATER
	PROP DIRTYWATER
	PROP SILT FENCE
	PROP SUPER SILT FENCE
	PROP STOCKPILE
	PROP DECANT
	PROP DECANT BAR
	STAGE BOUNDARY
	EXISTING STREAM
	EXISTING WETLAND
	10m STREAM SETBACK
	RIPARIAN YARD
	20m SETBACK
	WETLAND AREA
	100m SETBACK
	EARTHWORKS CATCHMENT AREA

A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
		By	Date
Survey	LANDPRO		03/2023
Design	HN		03/2025
Drawn	MA		03/2025
Checked	RW/KH		03/2025

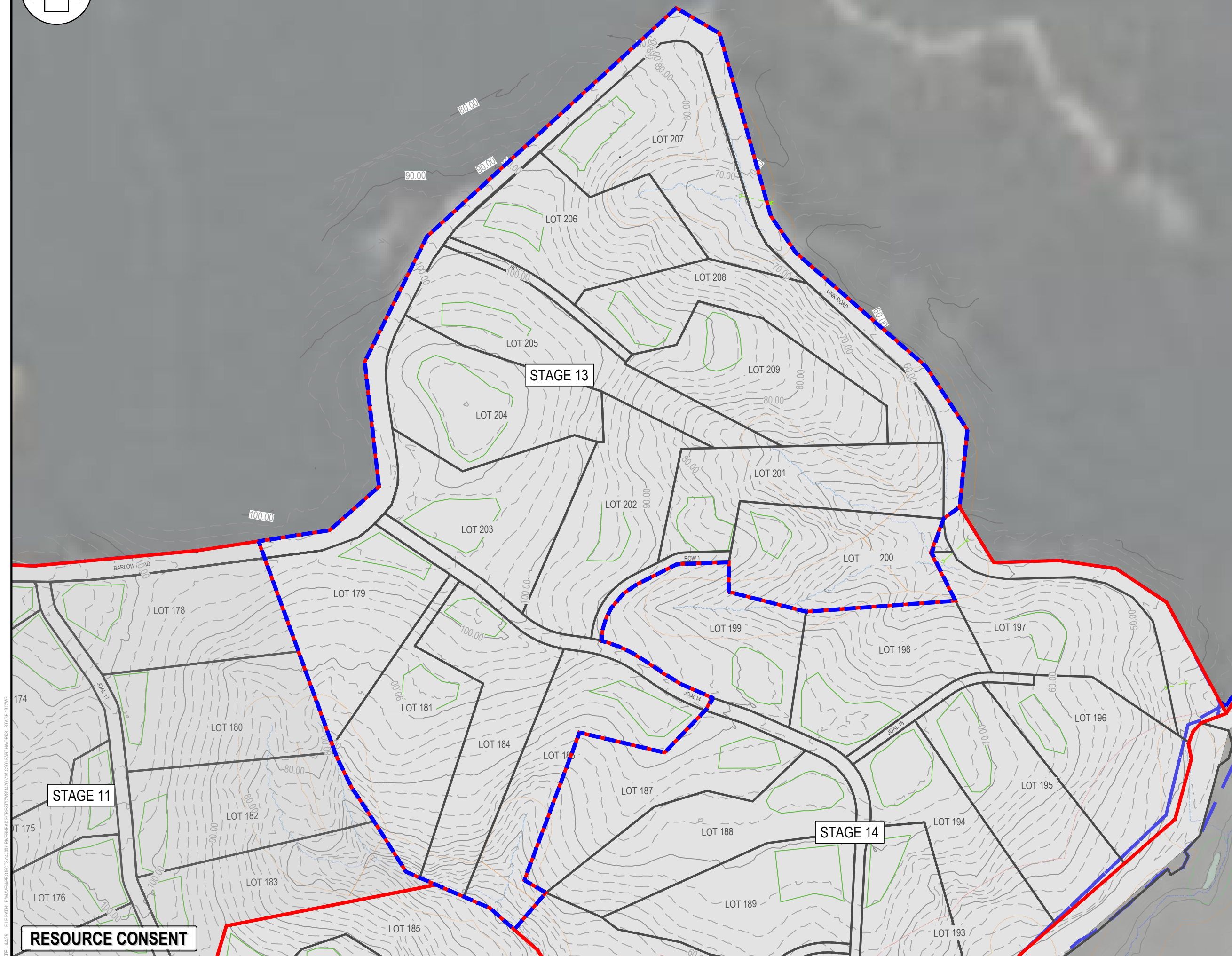
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Project
**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOO PUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

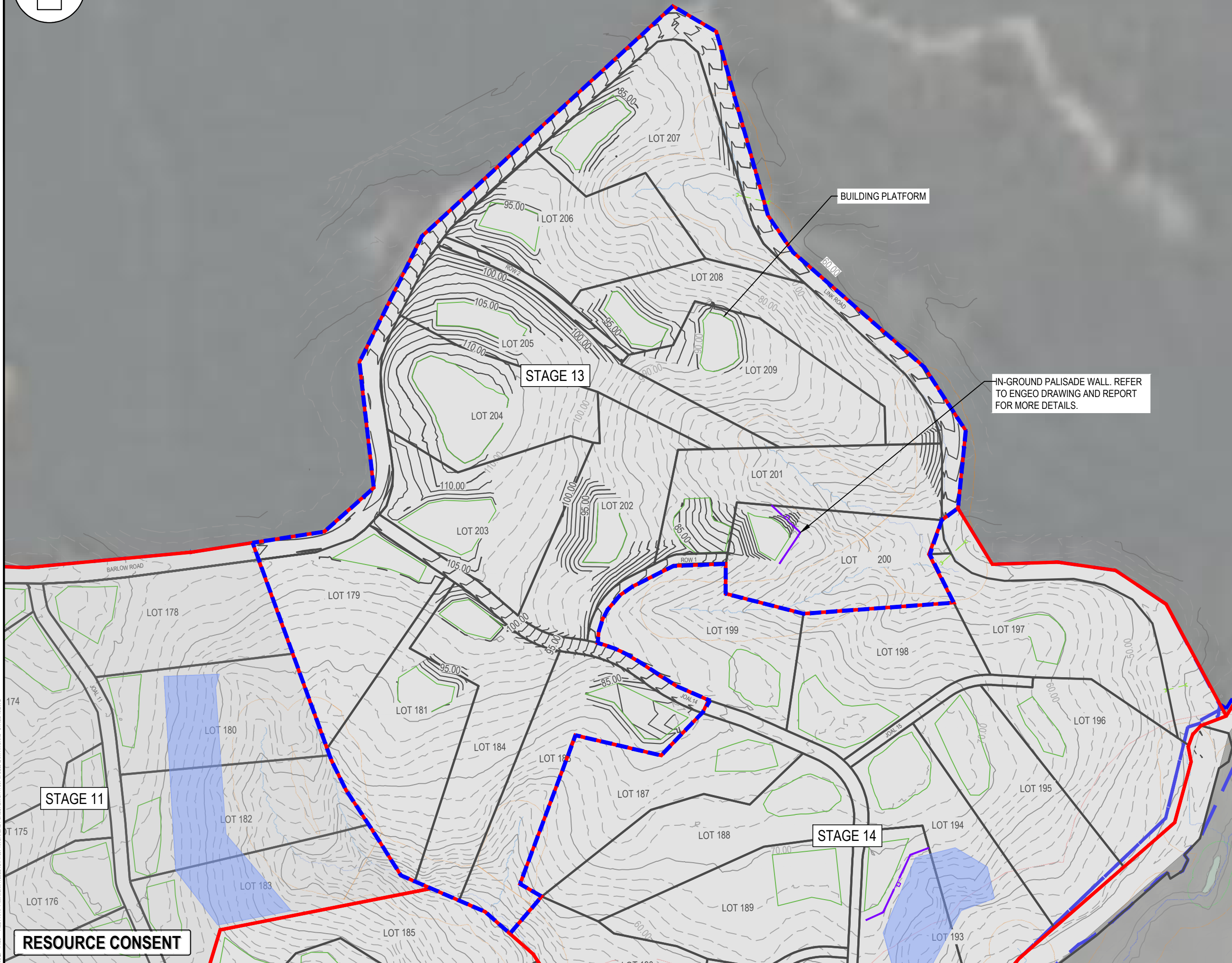
Title
**PROPOSED
EARTHWORKS
OVERVIEW - STAGE 13**

Project no.	147007
Scale	1:10,000 @ A3
Cad file	147007-M-C200 EARTHWORKS - STAGE 13.DWG
Drawing no.	C200-13-0
Rev	A

RESOURCE CONSENT



Project no.	147007		
Scale	1:2500 @ A3		
Cad file	147007-M-C200 EARTHWORKS - STAGE 13.DWG		
Drawing no.	C200-13-1	Rev	A



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LEGEND

	EX BDY
	PROP BDY
	EX MAJOR CONTOUR
	EX MINOR CONTOUR
	PR MAJOR CONTOUR
	PR MINOR CONTOUR
	PROP EXTENT WORK
	PROP CLEANWATER
	PROP DIRTYWATER
	PROP SILT FENCE
	PROP SUPER SILT FENCE
	PROP STOCKPILE
	PROP DECANT
	PROP DECANT BAR
	STAGE BOUNDARY
	EXISTING STREAM
	EXISTING WETLAND
	10m STREAM SETBACK
	RIPARIAN YARD
	20m SETBACK
	WETLAND AREA
	100m SETBACK
	EARTHWORKS CATCHMENT AREA

A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
Survey	LANDPRO		03/2023
Design	HN		03/2025
Drawn	MA		03/2025
Checked	RW/KH		03/2025

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Auckland 1023

Project
**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOOPUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title
**PROPOSED CONTOUR
PLAN - STAGE 13**

Project no.	147007
Scale	1:2500 @ A3
Cad file	147007-M-C200 EARTHWORKS - STAGE 13.DWG
Drawing no.	C200-13-2
Rev	A



EARTH WORKS (PROPOSED PGL SUBGRADE
COMPARISON WITH SURFACE EGL -350mm STRIPPED)

CUT VOLUME 20,400 m³
FILL VOLUME 17,800 m³
NET CUT 2,600 m³

TOPSOIL STRIPPED (350mm) = 20,000 m³
EARTHWORKS AREA = 57,200 m² / 5.72 Ha

NOTE: NO ALLOWANCE FOR SERVICES TRENCHES,
VOLUMES ARE INCLUDE 10% COMPACTION FACTOR

- NOTES
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 7. SEDIMENT CONTROL TO COMPLY WITH GD05 STANDARDS.

LEGEND

EX BDY
PROP BDY
PROP EXTENT WORK

A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
		By	Date
Survey	LANDPRO		03/2023
Design	HN		03/2025
Drawn	MA		03/2025
Checked	RW/KH		03/2025



Project
**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOOPUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title
**PROPOSED
CUT/FILL
PLAN - STAGE 13**

Project no.	147007
Scale	1:2500 @ A3
Cad file	147007-M-C200 EARTHWORKS - STAGE 13.DWG
Drawing no.	C220-13-1
Rev	A

Cut/Fill Table			
Number #	Minimum Elevation	Maximum Elevation	Color
1	-5.000	-4.000	
2	-4.000	-3.000	
3	-3.000	-2.000	
4	-2.000	-1.000	
5	-1.000	0.000	
6	0.000	1.000	
7	1.000	2.000	
8	2.000	3.000	
9	3.000	4.000	
10	4.000	5.000	

DATE: 14/05 FILE PATH: F:\Maven\PROJECTS\147007 RIVERHEAD FOREST\147007M-C200 EARTHWORKS - STAGE 13.DWG



PROP DEB S13-BARLOW RD-DEB 5
CATCHMENT AREA: 2740m²
MAIN POND BASE: 4.0m W X 12.0m L X 1.0m D
EMERGENCY SPILLWAY: 0.5m W X 0.25m D

PROP SRP S13-P2
CATCHMENT AREA: 16300m²
FOREBAY: 2.0m W X 18.0m L X 1.0m D
MAIN POND BASE: 12.0m W X 36.0m L X 1.5m D
EMERGENCY SPILLWAY: 2.0m L X 3.0m W X 0.3m D

PROP DEB S13-ROW2-DEB 4
CATCHMENT AREA: 2000m²
MAIN POND BASE: 4.0m W X 12.0m L X 1.0m D
EMERGENCY SPILLWAY: 0.5m W X 0.25m D

CULVERT CONSTRUCTION
METHODOLOGY REFER TO
C245 FOR DETAILS

PROP DEB S13-LINK RD-DEB 6
CATCHMENT AREA: 3000m²
MAIN POND BASE: 4.0m W X 12.0m L X 1.0m D
EMERGENCY SPILLWAY: 0.5m W X 0.25m D

PROP DEB S13-ROW2-DEB 3
CATCHMENT AREA: 3000m²
MAIN POND BASE: 4.0m W X 12.0m L X 1.0m D
EMERGENCY SPILLWAY: 0.5m W X 0.25m D

PROP DEB S13-ROW2-DEB 3
CATCHMENT AREA: 1650m²
MAIN POND BASE: 4.0m W X 12.0m L X 1.0m D
EMERGENCY SPILLWAY: 0.5m W X 0.25m D

3000 BYPASS
CROSSING CULVERT
AS REQUIRE

PROP DEB S13-LINK RD-DEB 7
CATCHMENT AREA: 3000m²
MAIN POND BASE: 4.0m W X 12.0m L X 1.0m D
EMERGENCY SPILLWAY: 0.5m W X 0.25m D

PROP DEB S13-ROW1-SRP 3
CATCHMENT AREA: 4600m²
FOREBAY: 2.0m W X 12.0m L X 1.0m D
MAIN POND BASE: 6.0m W X 18.0m L X 1.5m D
EMERGENCY SPILLWAY: 2.0m L X 3.0m W X 0.3m D

PROP SRP S13-JOAL14-P1
CATCHMENT AREA: 20700m²
FOREBAY: 2.0m W X 18.0m L X 1.0m D
MAIN POND BASE: 12.0m W X 36.0m L X 1.5m D
EMERGENCY SPILLWAY: 2.0m L X 3.0m W X 0.3m D

PROP DEB S13-JOAL14-DEB 1
CATCHMENT AREA: 1710m²
MAIN POND BASE: 4.0m W X 12.0m L X 1.0m D
EMERGENCY SPILLWAY: 0.5m W X 0.25m D

3000 BYPASS
CROSSING CULVERT

CULVERT BYPASS AS REQUIRED

STABILISED ENTRY

HAUL ROAD

3000 BYPASS
CROSSING CULVERT
AS REQUIRE

STAGE 11

STAGE 14

RESOURCE CONSENT

- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARDS.
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LEGEND

	EX BDY
	PROP BDY
	EX MAJOR CONTOUR
	EX MINOR CONTOUR
	PR MAJOR CONTOUR
	PR MINOR CONTOUR
	PROP EXTENT WORK
	PROP CLEANWATER
	PROP DIRTYWATER
	PROP SILT FENCE
	PROP SUPER SILT FENCE
	PROP STOCKPILE
	PROP DECANT
	PROP DECANT BAR
	STAGE BOUNDARY
	EXISTING STREAM
	EXISTING WETLAND
	10m STREAM SETBACK
	RIPARIAN YARD
	20m SETBACK
	WETLAND AREA
	100m SETBACK
	EARTHWORKS CATCHMENT AREA

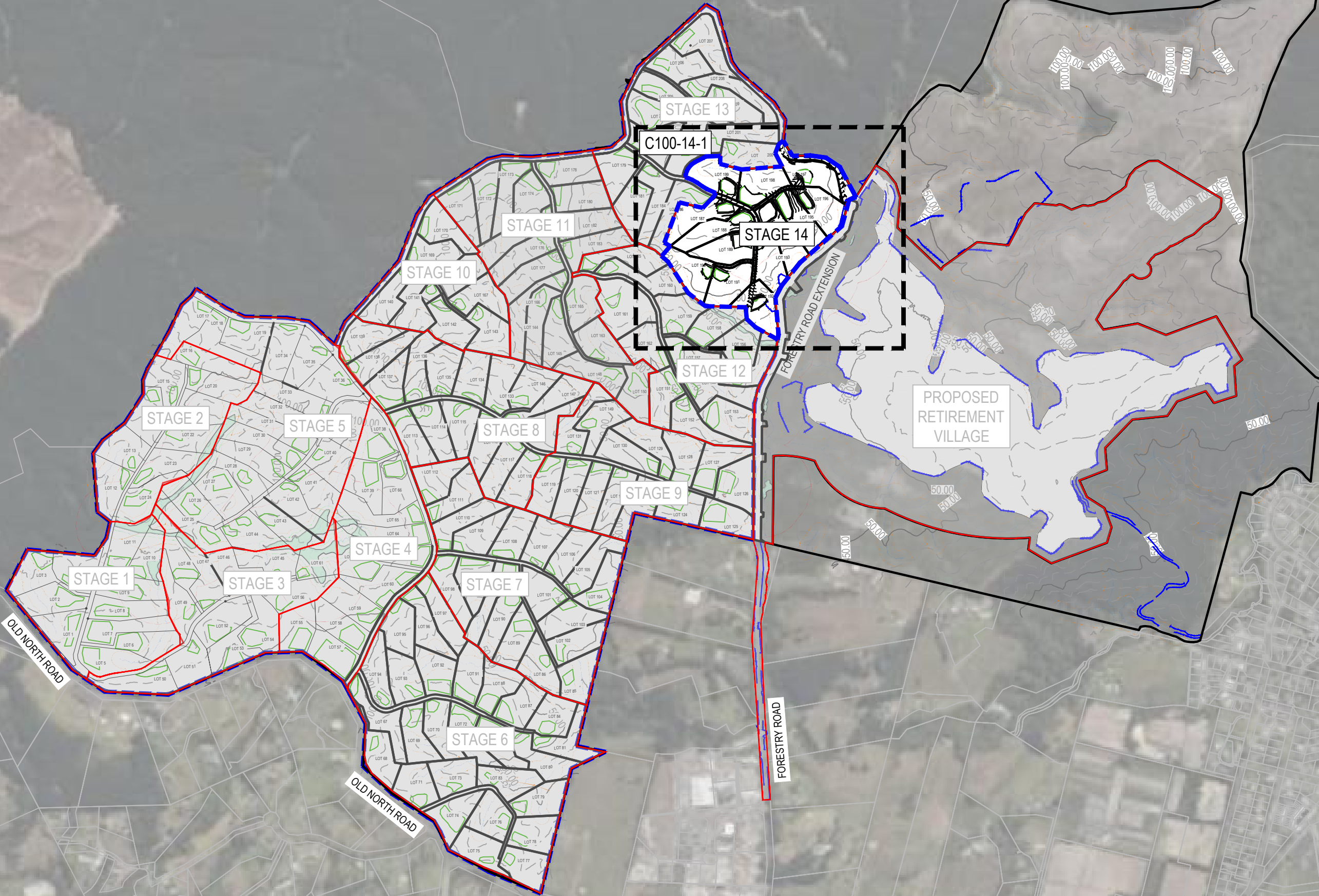
A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
Survey	LANDPRO		03/2023
Design	HN		03/2025
Drawn	MA		03/2025
Checked	RW/KH		03/2025



Project
**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOOPUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title
**PROPOSED EROSION
SEDIMENT CONTROL
PLAN - STAGE 13**

Project no.	147007
Scale	1:2500 @ A3
Cad file	147007-M-C200 EARTHWORKS - STAGE 13.DWG
Drawing no.	C230-13-1
Rev	A



- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARDS.
 2. COORDINATES IN TERMS OF NZ GEODETIC DATUM MT EDEN 2000.
 3. LEVELS IN TERMS OF THE AUCKLAND VERTICAL DATUM 1946.
 4. ORIGIN OF LEVELS = SM XXXX SO XXXX(XXXX) PUBLISHED RL=XX.XX, SOURCED FROM THE LINZ DIGITAL GEODETIC DATABASE.
 5. BOUNDARIES ARE SUBJECT TO FINAL SURVEY.

LEGEND

	EX BDY
	PROP BDY
	EX MAJOR CONTOUR
	EX MINOR CONTOUR
	PR MAJOR CONTOUR
	PR MINOR CONTOUR
	PROP EXTENT WORK
	PROP CLEANWATER
	PROP DIRTYWATER
	PROP SILT FENCE
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	PROP STOCKPILE
	PROP DECANT
	PROP DECANT BAR
	STAGE BOUNDARY
	EXISTING STREAM
	EXISTING WETLAND
	10m STREAM SETBACK
	RIPARIAN YARD
	20m SETBACK
	WETLAND AREA
	100m SETBACK
	EARTHWORKS CATCHMENT AREA

A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
Survey	LANDPRO		03/2023
Design	HN		03/2025
Drawn	MA		03/2025
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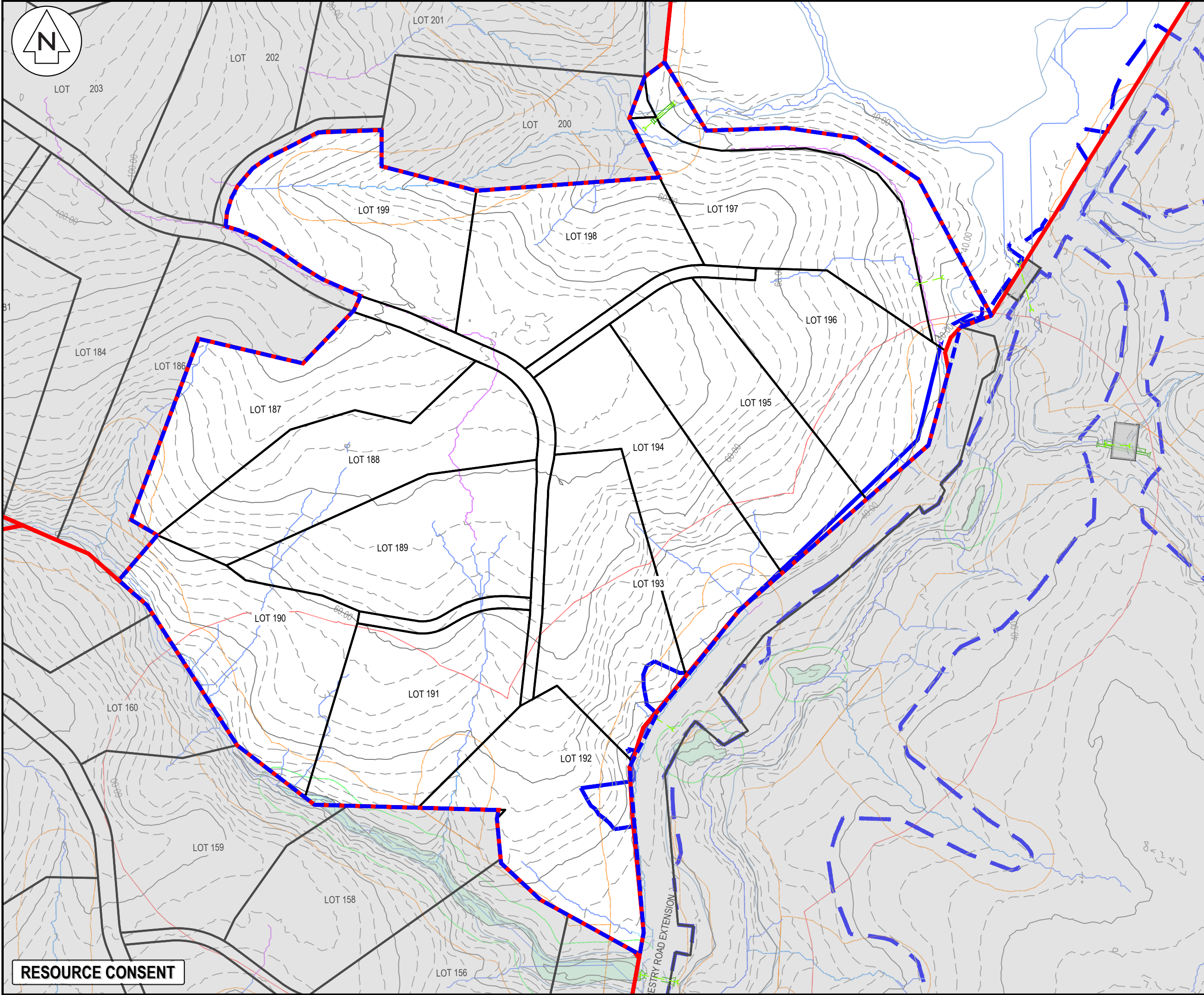
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Project
**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOOPUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title
**PROPOSED
EARTHWORKS
OVERVIEW - STAGE 14**

Project no.	147007
Scale	1:10,000 @ A3
Cad file	147007-M-C200 EARTHWORKS - STAGE 14.DWG
Drawing no.	C200-14-0
Rev	A

RESOURCE CONSENT



NOTES

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LEGEND

	EX BDY
	PROP BDY
	EX MAJOR CONTOUR
	EX MINOR CONTOUR
	PR MAJOR CONTOUR
	PR MINOR CONTOUR
	PROP EXTENT WORK
	PROP CLEANWATER
	PROP DIRTYWATER
	PROP SILT FENCE
	PROP SUPER SILT FENCE
	PROP STOCKPILE
	PROP DECANT
	PROP DECANT BAR
	STAGE BOUNDARY
	EXISTING STREAM
	EXISTING WETLAND
	10m STREAM SETBACK
	RIPARIAN YARD
	20m SETBACK
	WETLAND AREA
	100m SETBACK
	EARTHWORKS
	CATCHMENT AREA

A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
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Project

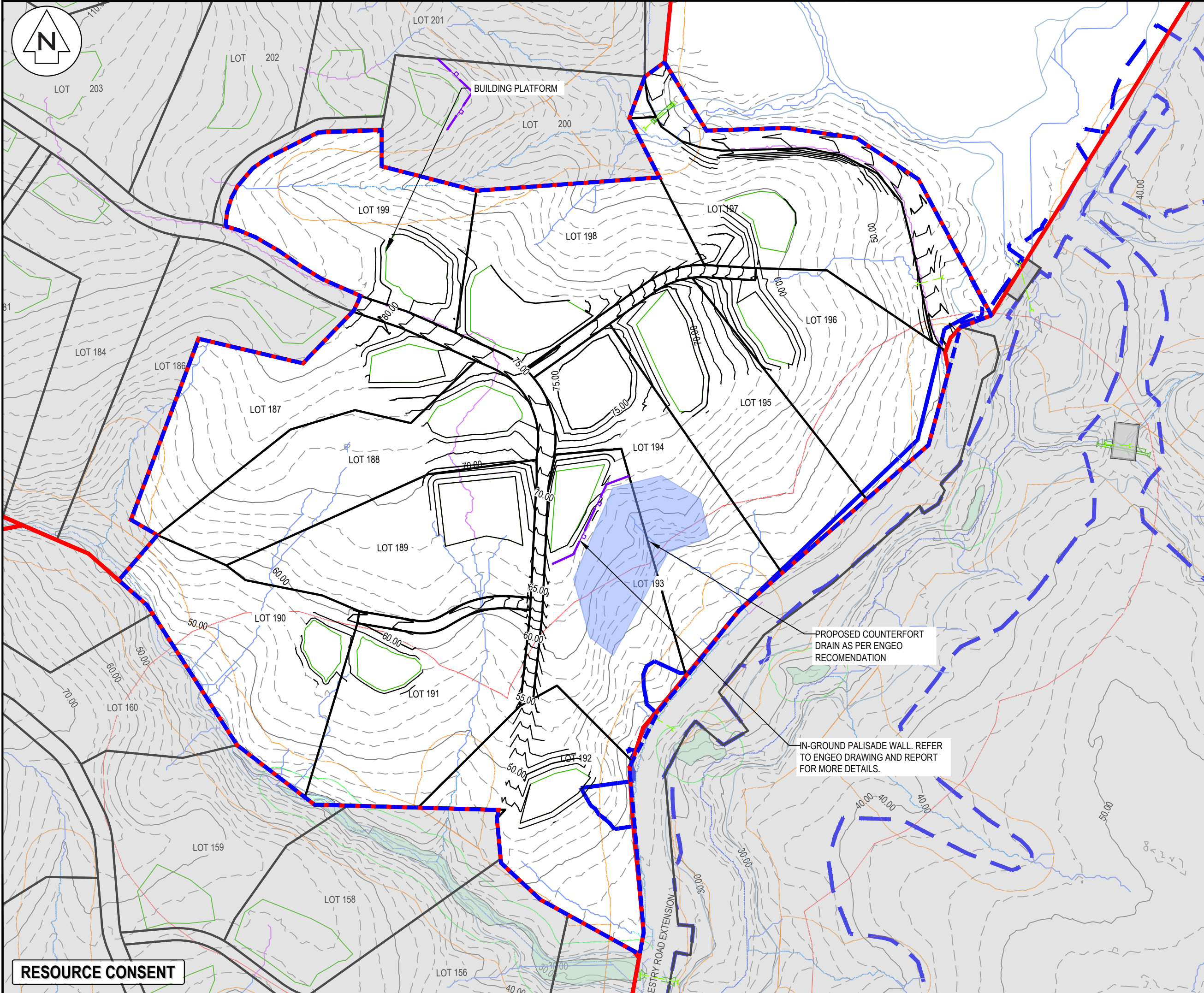
**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOOPUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title

**EXISTING CONTOUR
PLAN - STAGE 14**

Project no.	147007		
Scale	1:2000 @ A3		
Cad file	147007-M-C200 EARTHWORKS - STAGE 14.DWG		
Drawing no.	C200-14-1	Rev	A

DATE: 14/03 FILE PATH: F:\Maven\PROJECTS\147007 RIVERHEAD FOREST\DWG\147007-M-C200 EARTHWORKS - STAGE 14.DWG



NOTES

1. ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARDS.
2. COORDINATES IN TERMS OF NZ GEODETIC DATUM MT EDEN 2000.
3. LEVELS IN TERMS OF THE AUCKLAND VERTICAL DATUM 1946.
4. ORIGIN OF LEVELS = SM XXXX SO XXXX(XXXX) PUBLISHED RL=XX.XX, SOURCED FROM THE LINZ DIGITAL GEODETIC DATABASE.
5. BOUNDARIES ARE SUBJECT TO FINAL SURVEY.

LEGEND

	EX BDY
	PROP BDY
	EX MAJOR CONTOUR
	EX MINOR CONTOUR
	PR MAJOR CONTOUR
	PR MINOR CONTOUR
	PROP EXTENT WORK
	PROP CLEANWATER
	PROP DIRTYWATER
	PROP SILT FENCE
	PROP SUPER SILT FENCE
	PROP STOCKPILE
	PROP DECANT
	PROP DECANT BAR
	STAGE BOUNDARY
	EXISTING STREAM
	EXISTING WETLAND
	10m STREAM SETBACK
	RIPARIAN YARD
	20m SETBACK
	WETLAND AREA
	100m SETBACK
	EARTHWORKS CATCHMENT AREA

A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
Survey	LANDPRO		03/2023
Design	HN		03/2025
Drawn	MA		03/2025
Checked	RW/KH		03/2025

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Project

DEVELOPMENT OF RIVERHEAD FOREST FOR RANGITOOPUNI DEVELOPMENTS LIMITED PARTNERSHIP

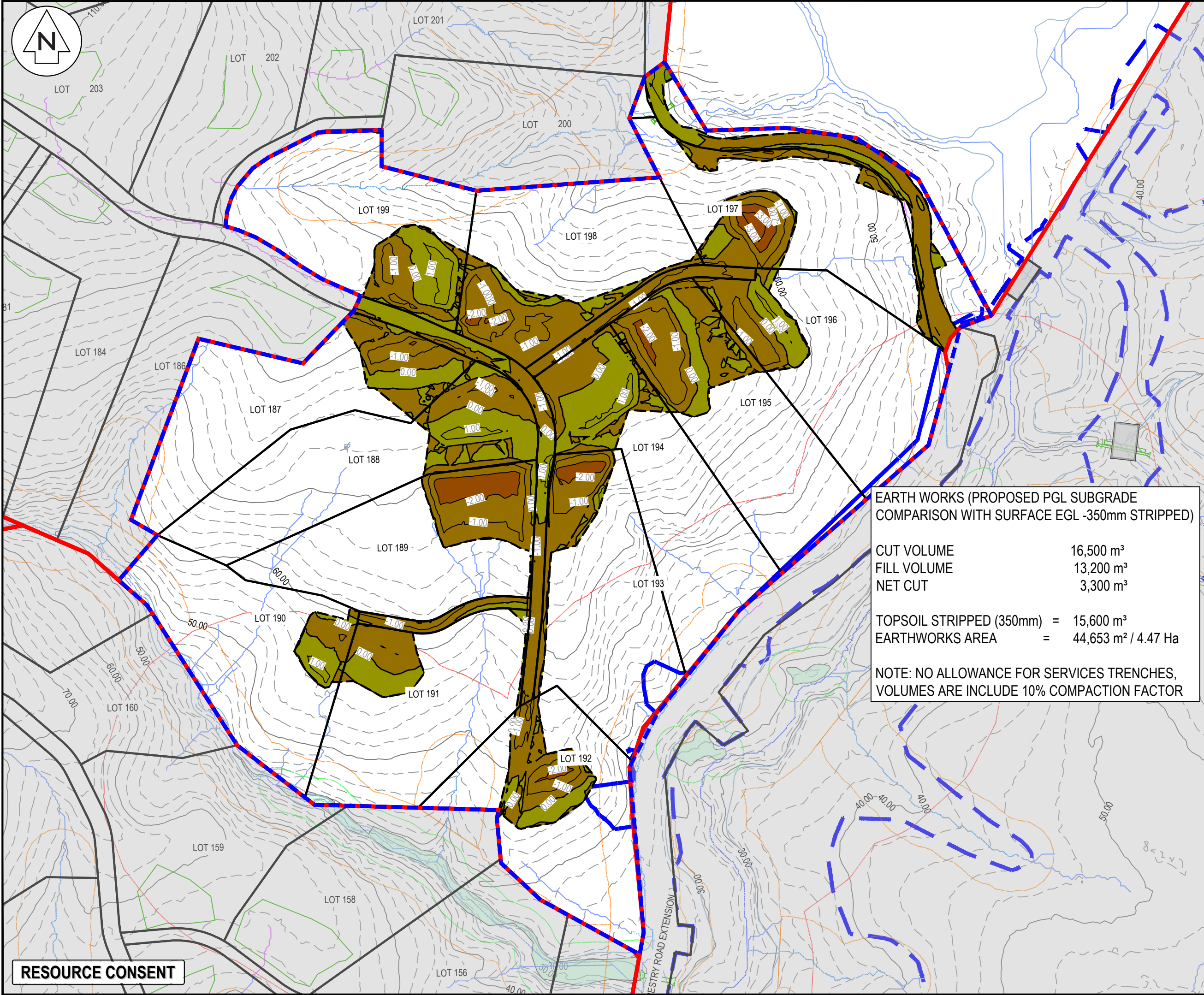
Title

PROPOSED EARTHWORKS CONTOUR PLAN - STAGE 14

Project no.	147007		
Scale	1:2000 @ A3		
Cad file	147007-M-C200 EARTHWORKS - STAGE 14.DWG		
Drawing no.	C200-14-2	Rev	A

DATE: 14/05 FILE PATH: F:\Maven\PROJECTS\147007 RIVERHEAD FOREST\DWG\147007-M-C200 EARTHWORKS - STAGE 14.DWG

RESOURCE CONSENT



- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARDS.
 2. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL SERVICES THAT MAY BE AFFECTED BY THEIR OPERATIONS.
 3. THE CONTRACTOR SHALL COMPLY WITH ALL RELEVANT HEALTH AND SAFETY REQUIREMENTS.
 4. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY APPROVAL FROM UTILITY OPERATORS BEFORE COMMENCING WORK UNDER OR NEAR THEIR SERVICES.
 5. SEDIMENT CONTROL SHALL BE INSTALLED AND OPERATIONAL BEFORE EARTHWORKS START ONSITE IN ACCORDANCE WITH COUNCIL STANDARDS.
 6. CONTRACTOR SHALL PROVIDE ASBUILT OF WORKING SEDIMENT CONTROL DEVICES AND CONFIRMATION OF POND/DECENT VOLUMES TO ENGINEER.
 7. SEDIMENT CONTROL TO COMPLY WITH GD05 STANDARDS.

LEGEND

	EX BDY
	PROP BDY
	PROP EXTENT WORK

Cut/Fill Table			
Number #	Minimum Elevation	Maximum Elevation	Color
1	-6.000	-4.000	
2	-4.000	-2.000	
3	-2.000	0.000	
4	0.000	2.000	
5	2.000	4.000	
6	4.000	6.000	
7	6.000	8.000	
8	8.000	10.000	

EARTH WORKS (PROPOSED PGL SUBGRADE
COMPARISON WITH SURFACE EGL -350mm STRIPPED)

CUT VOLUME 16,500 m³
FILL VOLUME 13,200 m³
NET CUT 3,300 m³

TOPSOIL STRIPPED (350mm) = 15,600 m³
EARTHWORKS AREA = 44,653 m² / 4.47 Ha

NOTE: NO ALLOWANCE FOR SERVICES TRENCHES,
VOLUMES ARE INCLUDE 10% COMPACTION FACTOR

A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
Survey	LANDPRO		03/2023
Design	HN		03/2025
Drawn	MA		03/2025
Checked	RW/KH		03/2025

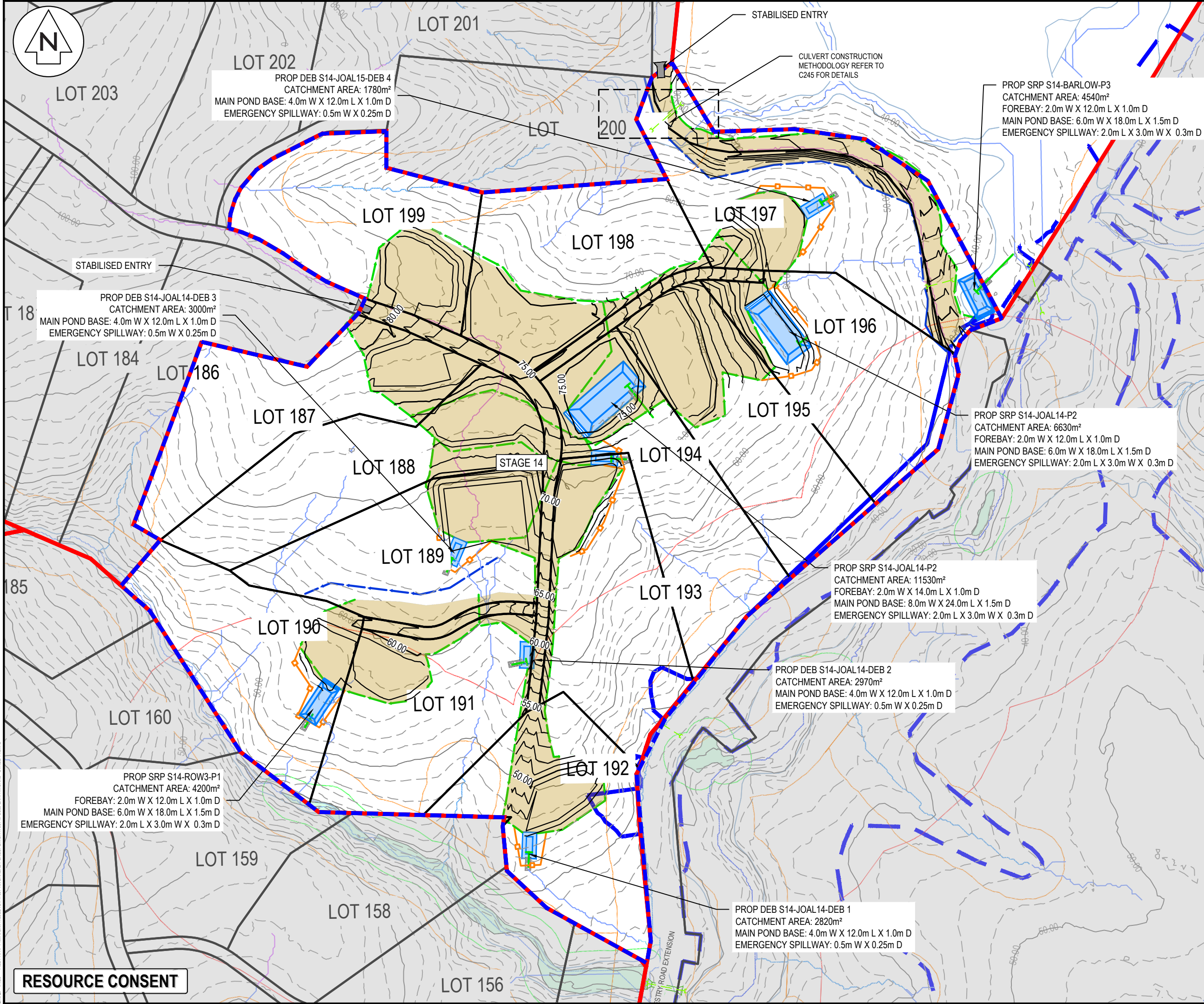
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Project
**DEVELOPMENT OF
RIVERHEAD FOREST
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DEVELOPMENTS LIMITED
PARTNERSHIP**

Title
**PROPOSED
CUT/FILL
PLAN - STAGE 14**

Project no.	147007
Scale	1:2000 @ A3
Cad file	147007-M-C200 EARTHWORKS - STAGE 14.DWG
Drawing no.	C220-14-1
Rev	A

RESOURCE CONSENT



- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARDS.
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LEGEND

	EX BDY
	PROP BDY
	EX MAJOR CONTOUR
	EX MINOR CONTOUR
	PR MAJOR CONTOUR
	PR MINOR CONTOUR
	PROP EXTENT WORK
	PROP CLEANWATER
	PROP DIRTYWATER
	PROP SILT FENCE
	PROP SUPER SILT FENCE
	PROP STOCKPILE
	PROP DECANT
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	STAGE BOUNDARY
	EXISTING STREAM
	EXISTING WETLAND
	10m STREAM SETBACK
	RIPARIAN YARD
	20m SETBACK
	WETLAND AREA
	100m SETBACK
	EARTHWORKS
	CATCHMENT AREA

A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
Survey	LANDPRO		03/2023
Design	HN		03/2025
Drawn	MA		03/2025
Checked	RW/KH		03/2025



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Project
DEVELOPMENT OF RIVERHEAD FOREST FOR RANGITOOPUNI DEVELOPMENTS LIMITED PARTNERSHIP

Title
PROPOSED EROSION SEDIMENT CONTROL PLAN - STAGE 14

Project no.	147007
Scale	1:2000 @ A3
Cad file	147007-M-C200 EARTHWORKS - STAGE 14.DWG
Drawing no.	C230-14-1
Rev	A

RESOURCE CONSENT

DATE: 14/03 FILE PATH: F:\MVEN\PROJECTS\147007 RIVERHEAD FOREST\147007-M-C200 EARTHWORKS - STAGE 14.DWG